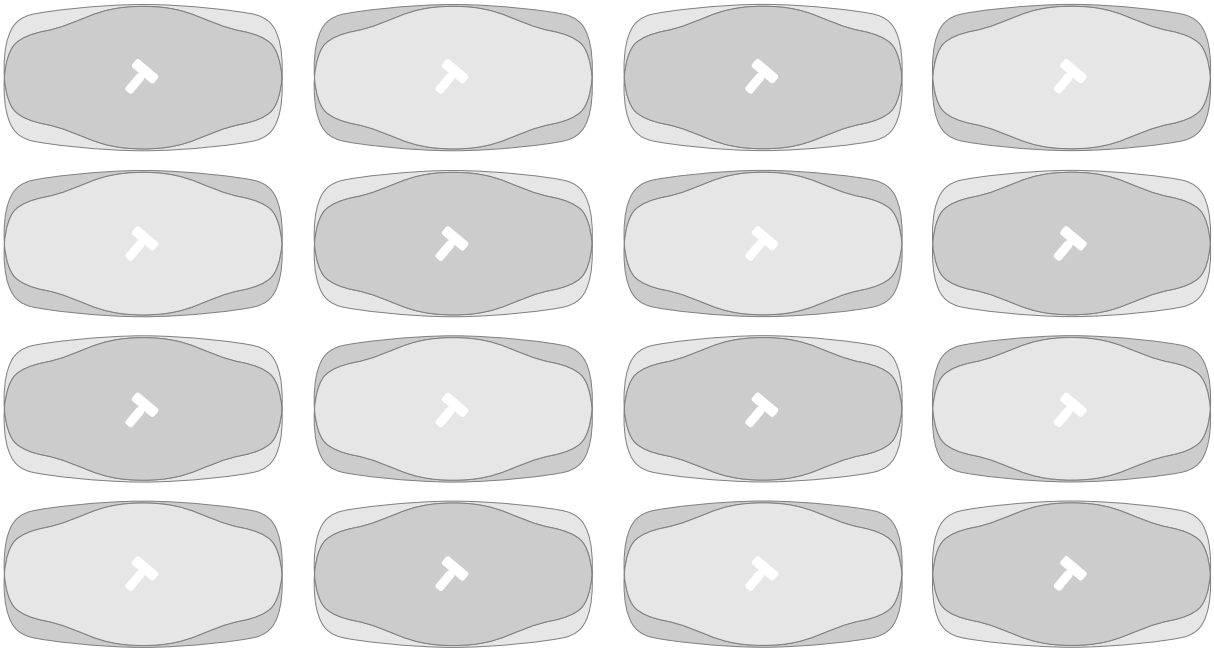
Canon

Setup Guide

Graphic Color Printer

W2200

Setup Guide



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Notations About Text

Conventions

To ensure the safe and most efficient use of this printer, important information is provided under the headings listed below. Before you use this guide, make sure that you understand what these headings mean and remember the important information described under these headings.

Warning

- Failure to follow these instructions could result in fatal or serious injury. Always remember and follow the guidelines and advice described under this heading to ensure your own safety and the safety of other people working around the printer.

Caution

- Failure to follow these instructions could lead to mistakes in the use of printer and result in minor injury or serious damage to the printer. Always remember and follow the guidelines and advice described under this heading to ensure safe use of the printer.

Important

- Instructions and guidelines for operation of the printer provided under this heading describe restrictions and other important information which if ignored could cause minor damage to the printer or other equipment or result in the loss of valuable data. Always remember and follow the guidelines and advice under this heading to avoid mistakes in procedure.

Note

- Information under this heading includes tips and hints that will help you avoid minor problems and use the printer more efficiently.

Abbreviations

Throughout this document the following abbreviations are used in text.

- Microsoft® Windows® Millennium Edition is abbreviated as “Windows Me”
- Microsoft® Windows® 98 is abbreviated as “Windows 98”
- Microsoft® Windows® 95 is abbreviated as “Windows 95”
- Microsoft® Windows® XP is abbreviated as “Windows XP”
- Microsoft® Windows® 2000 is abbreviated as “Windows 2000”
- Microsoft® Windows NT® is abbreviated as “Windows NT”
- Microsoft® Windows® is abbreviated as “Windows”
- The term “GARO”, used in the name of this printer driver, is an acronym for “Graphic Arts Language with Raster Operations”, a printer language of creating raster images.

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Regulations for this product

FCC Regulations

Canon Graphic Color Printer, Model K90014

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Use of shielded cable is required to comply with Class B limits in Subpart B of Part 15 of FCC Rules.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.

Canon U.S.A. Inc.

One Canon Plaza, Lake Success, NY 11042, U.S.A.

Tel No. 516-328-5600

Canadian Radio Interference Regulations

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the interference-causing equipment standard entitled “Digital Apparatus”, ICES-003 of the Industry and Science Canada.

Cet appareil numérique respecte les limites de bruits radioélectriques applicables aux appareils numérique de Classe B prescites dans la norme sur le matériel brouiller: “Appareils Numériques”, NMB-003 édictée par l’Industrie et Sciences Canada.

Regulations for United Kingdom

“This equipment is approved under approval number NS/G/12345/J/100003 for indirect connection to public telecommunication systems in the United Kingdom, i.e. when connected to the correct interface of a type approved apparatus in accordance with the instructions for use of that apparatus.

If you are uncertain about the connection arrangement, seek the help of a qualified engineer.”

International ENERGY STAR® Program

As an ENERGY STAR® Partner, Canon Inc. has determined that this product meets the ENERGY STAR® guidelines for energy efficiency. The international ENERGY STAR® Office Equipment Program is a global program that promotes energy saving through the use of computers and other office equipment. The program backs the development and dissemination of products with functions that effectively reduce energy consumption. It is an open system in which businesses can participate voluntarily. The targeted products are office equipment such as computers, monitors, printers, facsimiles, and copiers. Their standards and logos are uniform among participating nations.

Safety Warnings and Precautions

Read and follow all the warnings and guidelines described below to prevent the hazards of fire or electrical shock and ensure safe use of this printer.

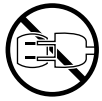
Warning

■Location

- The electrical contacts inside the printer become extremely hot during normal operation. To avoid causing a fire, never store flammable substances like alcohol, thinner, etc. near the printer.

■Power Supply

- To avoid personal injury from an electrical shock, never handle the power cord or plug when your hands are wet.



- To avoid causing a fire or serious electrical shock, make sure that the power plug is securely and completely inserted into the power source.

- To avoid causing a fire or serious electrical shock, always use the power cord provided with this printer, and do not use this power cord with any other electrical device.

- To avoid a fire or serious electrical shock caused by a short circuit, avoid damaging the AC adapter cord or the power cord. Never attempt to modify the power cord in any way. Never apply force to the cord by pulling on it, and never place a heavy object on the power cord.

- To avoid a fire or serious electrical shock, connect the printer power cord to an independent power source that is not shared by other equipment or appliances.

- To avoid a fire or serious electrical shock, never knot the power cord or wrap it around itself.

- To avoid a fire hazard, occasionally disconnect the power cord from the printer and the power supply and use a soft dry cloth to clean the cord connectors and the connection points. Leaving the cord plugged in and not cleaned for a long period, especially in an area subject to dust, oil, and high humidity, could cause the insulation material to deteriorate.

■In an Emergency ...

- To avoid a fire or serious electrical shock, if the printer emits smoke or a strange odor, immediately press the Power button to switch the printer off and unplug the power cord from the power supply. Discontinue using the printer and call for service.

■Cleaning the Printer

- Use only a damp, clean cloth to clean the surfaces of the printer. The electrical contacts inside the printer become hot during normal operation. To avoid a fire or serious electrical shock, never use alcohol, benzene, thinner, or any other type of flammable liquid cleaner to clean the printer.

■Pacemakers

- This printer generates a low magnetic field. If anyone wearing a pacemaker experiences discomfort while working around the printer should leave the area. Consult a physician before continuing to work around the printer.

Caution

■Printer location

- To avoid damage to the printer or possible personal injury, place the printer on a flat, stable surface that is safe from sudden shocks or strong vibrations to ensure that it will not fall.

- To avoid damage to the printer which could result in a fire or electrical shock, place the printer in a location where it is not exposed to dust, direct sunlight, high temperature, or high humidity. Use the printer location in an environment where temperature and humidity are within the ranges of 5^{o}C~35^{o}C (41^{o}F~95^{o}F) and 10~90% RH (with no condensation).

- To avoid anything entering the printer and causing a fire, never place the printer on a heavy wool or shag carpet.

- There are ventilation holes on the left side of this product, so when you install it, make sure the holes are not blocked by a wall or other object. Install so that the holes are at least 30cm (12 in.) from a wall or other object. If the ventilation holes are blocked, the inside of this product may become overheated, resulting in fire.

- To avoid the hazard of a dangerous fire, keep the area around the power supply where the printer power cord is connected so you can disconnect it immediately if the printer starts operating abnormally (emitting smoke or odd noises, etc.).
  Locate the printer as close as possible to the power supply and make sure the power supply is easily accessible.

- To ensure normal operation of the printer and avoid possible damage, never install the printer near large office equipment or any other type of electrical device that emits a strong magnetic field.

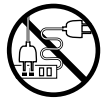
■Moving the Printer

- To avoid dropping and damaging the printer or the paper feed unit or causing personal injury when moving it, always grip the printer or the paper feed unit by the lift handles provided on the left and right side of the printer or the paper feed unit.
- To avoid breaking a paper cassette and personal injury, always remove the cassettes before lifting and moving the printer or a paper feed unit.

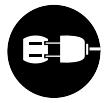
- The Model W2200 weighs 17 kg (37.5 lb.) To avoid back strain or other personal injuries, at least two people, lifting together at the front and back of the printer, are required to move the printer.

■Power Supply

- To avoid damaging the power plug, which could cause a short circuit and cause a fire or electrical shock, never pull on the power cord to unplug the cord from the power supply. Always grip the plug to remove it from the power supply.



- To avoid a fire or electrical shock, do not use an extension cord.



- To prevent fire or electrical shock, never use a power supply source other than the one rated for the printer in the country where you purchased the printer.
  AC 100-127 V, 50/60 Hz
  AC 220-240 V, 50/60 Hz

■Cleaning the Printer

- To avoid minor burns or minor injury from moving parts, before cleaning the printer always press the Power button to switch off the printer then unplug the power cord from the power supply and allow the electrical contacts inside the printer to cool.

■Printhead and Ink Tanks

- Store the ink tanks out of the reach of small children. If a child accidentally ingests ink from an ink tank, contact a physician immediately.

- To avoid staining clothing or your work area with spilled ink, never shake or drop the printhead or an ink tank.

- The electrical contacts of the printhead become extremely hot during normal operation. To avoid minor burns, never touch the electrical contacts after removing the printhead from the printer.

■General Caution

- There are high voltage points inside the printer. To avoid a fire or electrical shock, never attempt to disassemble the printer or attempt repairs.

- To avoid a fire or electrical shock, never use flammable sprays around the printer.

- To avoid minor injury from moving parts inside the printer, never open a cover or insert your hand into the printer while the printer is operating.

- To avoid a fire, electrical shock, or damage to the printer, never place anything on the printer such as small metal objects like staples, paper clips, or any type of liquid container, especially containers of flammable liquids which could fall accidentally into the printer.

- To prevent a fire hazard or dangerous electrical shock, if a foreign object falls or a liquid spills into the printer, press the Power button immediately to switch the printer off then unplug the printer power cord from the power supply. Call for service and do not use the printer until it has been checked by a qualified service technician.
- Connect the interface cable correctly. To avoid damage, before connection make sure that the shape of the cable connector matches the connection point on the printer.

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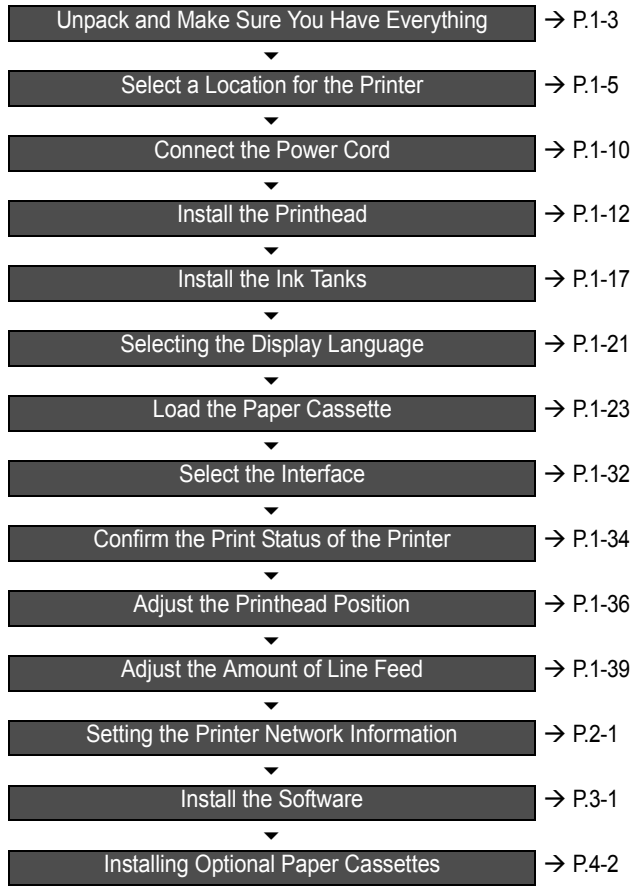
1 Setting Up the Printer

This chapter describes how to set up the printer, starting with unpacking the box.

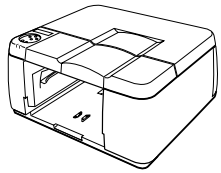
Setup Flow

The printer is set up in the following order. Follow the procedures suited for your computer, the method of connection, and the options that you want to install.

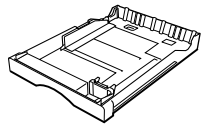


1 Unpack and Make Sure You Have Everything

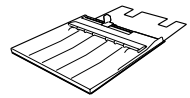
The items below are provided with the printer. Check each item against the list below to make sure that you have everything. If any item is missing or damaged, contact the store where you purchased the printer.



Printer

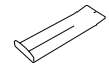


Paper cassette



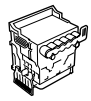
Paper cassette cover

Tray

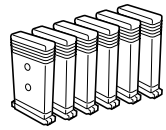


Output tray extension

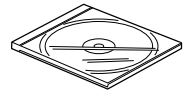
Power cord



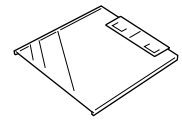
Printhead



Ink tanks (Bk,PC,C,PM,M,Y)

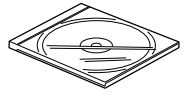


User Software CD-ROM

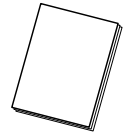


Paper Feed Support

Setup Guide
User's Guide
Network Guide



User Manuals CD-ROM



LF adjust paper

Note

- In addition to the items above, a Warranty and Support & Service Agreement, and other items of information are provided. The Warranty and Support & Service Agreement are provided attached to the box so remove them and keep them in a safe place.
- Any interface cables such as printer cable, USB cable, IEEE1394 cable, or LAN cable are not provided with the printer. Contact a service center or the dealer where you purchased the printer for details about purchasing the interface cables for your computer and how to connect them.
- Three guides have been prepared for this printer, a Setup Guide, User's Guide, and Network Guide. Only one or no guide may be provided with the printer, or you may be provided with a Setup Guide with copies in different languages. Please remember that all the guides-Setup Guide, User's Guide, and Network Guide-are provided in different languages in PDF format on the Manual CD-ROM. Just open

the CD-ROM, click the language folder of your choice, and browse. Even if you have been provided with other language copies of the guides, please remember that the guides are also available in other languages on the CD-ROM.

- Two user software CD-ROMs may be provided.
  The type of software stored on each CD-ROM is the same, but the languages are different. Select the CD-ROM that uses your language and install the software.
- The tray is packed inside the paper cassette for shipping.

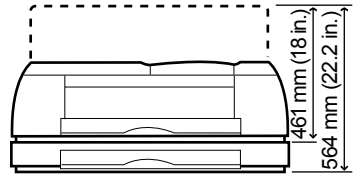
2 Select a Location for the Printer

Select a safe, convenient location for the printer and set it up correctly.

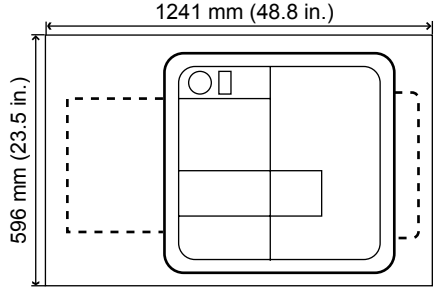
Space Requirements

Make sure that there is sufficient space around printer at the location you select for the printer.

■Height



■Width and Depth



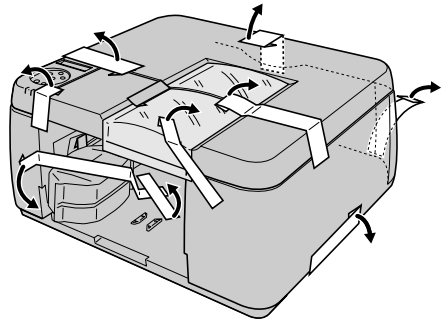
Remove the Packing Material and Position the Printer

Tape, spacers, and other packing materials are attached to the printer to protect it during shipping. All of these packing materials must be removed before you use the printer.

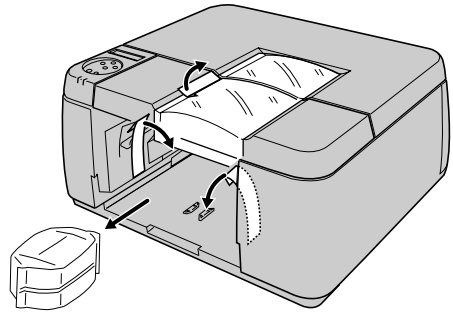
Important

- Save the printer box and all packing materials. You will need these items again if you need to move or ship the printer.

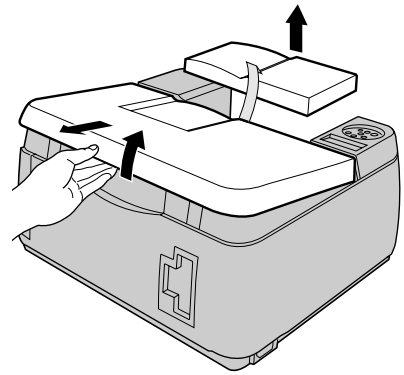
1 Remove all of the tape attached to the covers.



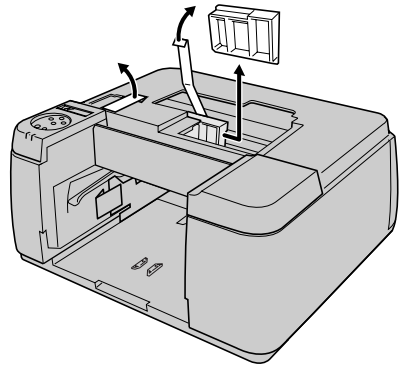
2 Remove the tape, protective sheets, and the printhead.



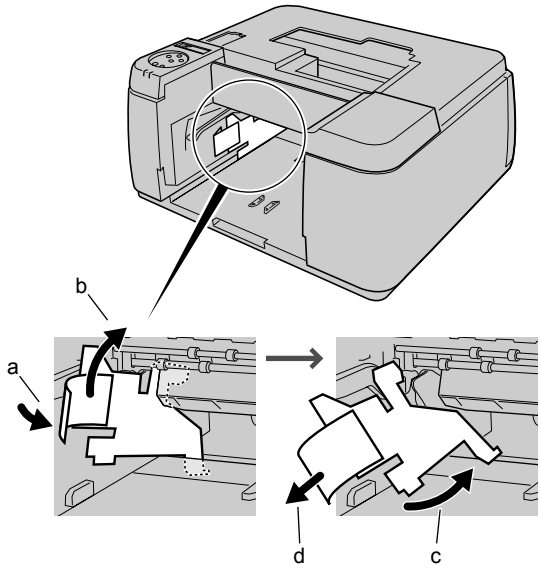
3 Remove the front upper cover and the back upper cover.



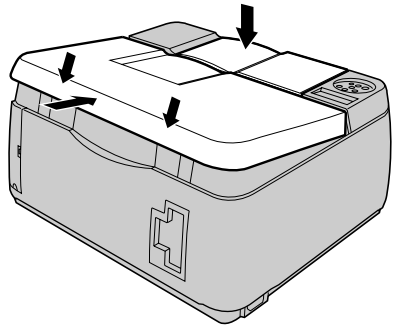
4 Remove the stopper and tape from inside the printer where you removed the back upper cover.



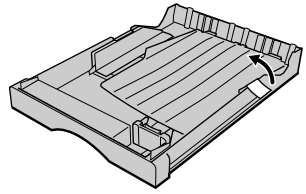
5 To remove the feed roller stopper, remove the tape (a), lift the stopper up (b), slide it down and to the side (c), then remove it (d).



6 Attach the front upper cover and back upper cover.



7 Remove all of the tape from the paper cassette, then remove the tray from the cassette.

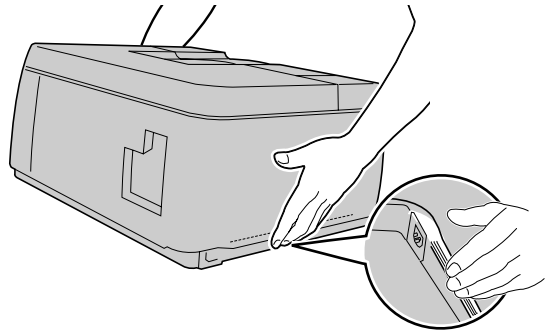


8 Grip the printer firmly by the lifting points provided on the lower left and lower right sides of the printer and move it to where you want to set it up.

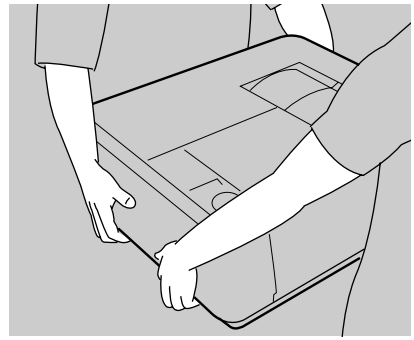
If you intend to install the optional paper feed unit and paper cassette, position the paper feed unit first. (→ P.4-2)

Caution

- To avoid dropping and damaging the printer, or causing personal injury when moving it, always grip the printer by the lifting points provided on the lower left and lower right sides of the printer.



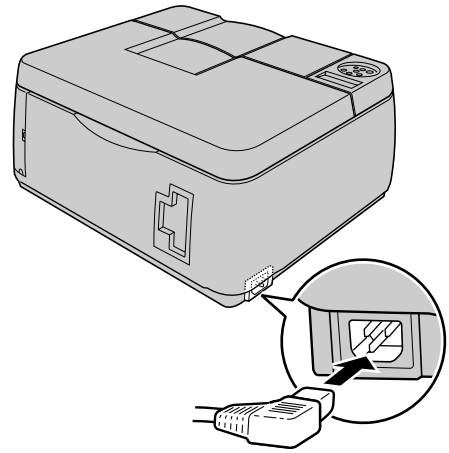
- The Model W2200 weighs 17 kg (37.5 lb.) To avoid back strain or other personal injuries, at least two people, lifting together at the front and back of the printer, are required to move the printer.



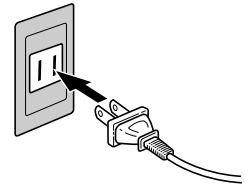
3 Connect the Power Cord

After positioning the printer, follow this procedure to connect the power cord.

1 Connect the power cord provided with the printer to the power connector on the left side of the printer.

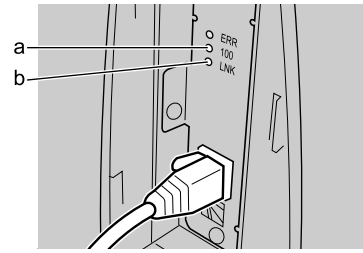


2 Plug the other end of the connector into the power source.



Important

- When this printer is connected to the network, verify the status of its connection by the lit LNK and 100 lamps, after turning the power on.
  - If 10BASE-T is in use, LNK lamp (b) should light.
  - If 100BASE-TX is in use, LNK lamp (b) and the 100 lamp (a) should light.

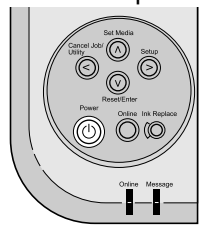


- If the LNK lamp does not light or if it is flashing, check the following:
  - Is the HUB switched on?
    → If the HUB is switched off, switch it on.
  - Is the LAN cable connected securely?
    → Confirm that the LAN cable connectors are clicked and locked in place securely.
  - Is the LAN cable defective?
    → Connect another LAN cable and visually check the LNK lamp again.

4 Install the Printhead

Install the printhead with the printer switched on. Read the messages in the printer display and follow the procedure below.

1 Press the Power button to switch the printer on.

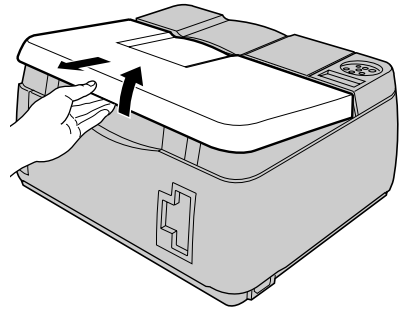


After a few seconds “Install P.head Press Online Key” is displayed.

2 Press the Online button.

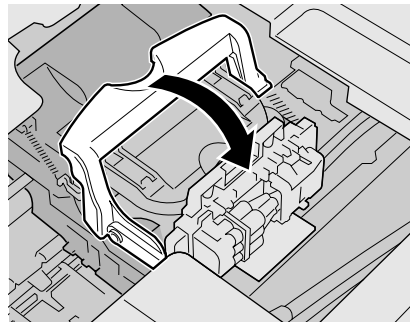
“Open Cover Back Upper Cover” is displayed.

3 Remove the back upper cover.

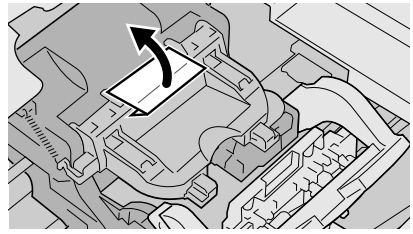


“Install P.head” is displayed.

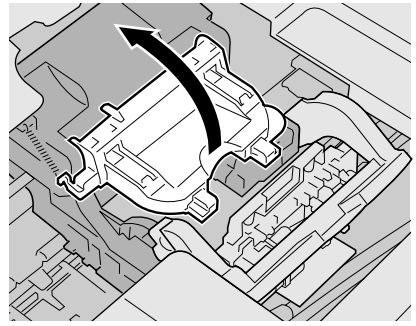
4 Pull the printhead lock lever out and lower it completely.



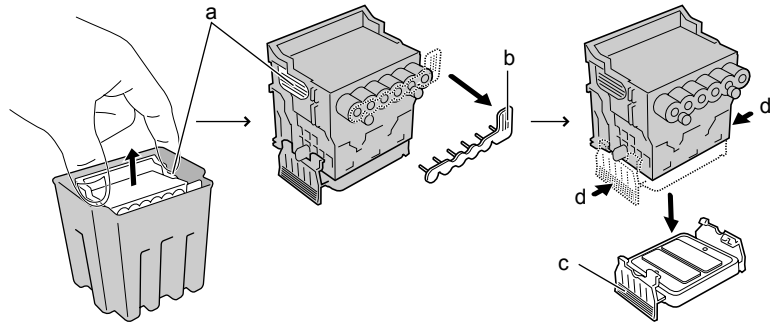
5 Remove the tape on the printhead lock cover.



6 Raise the printhead lock cover completely.

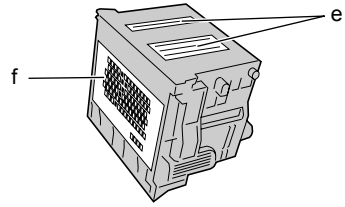


7 Hold the new printhead by its grips (a) and remove it from its case, then remove the first orange protective cap (b). While pressing inward on the tabs (d) of the second protective cap (c) as shown in the illustration, pull down to remove.



Important

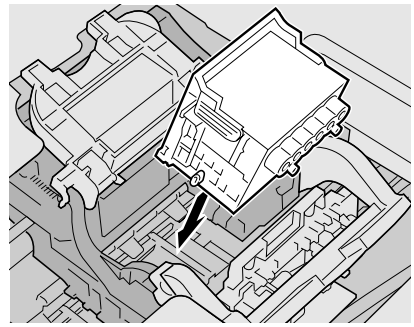
- The nozzles under protective cap 2 (c) are covered with ink for their protection. Handle the printhead carefully to avoid touching these nozzles or dropping the printhead and causing ink stains.
- When handling the printhead, always hold it by the grips (a) on the left and right sides.
- To prevent poor printing results, never touch the exposed nozzles (e) or electrical contacts (f) on the printhead. The illustration below shows the insert side facing up.



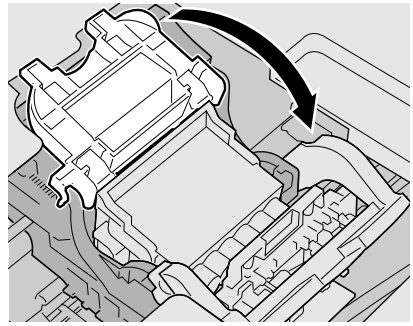
- Never try to re-attach the protective caps or packing material removed from the printhead. Discard these items immediately in compliance with local regulations regarding the disposal of such items.

8 With the nozzles facing down and the electrical contacts facing in, insert the printhead gently into the carriage below.

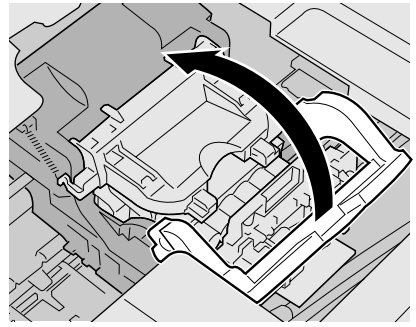
Make sure that the nozzles are not touching the carriage and the printhead is inserted completely.



9 Pull the printhead lock cover toward you and lower it completely until it locks.

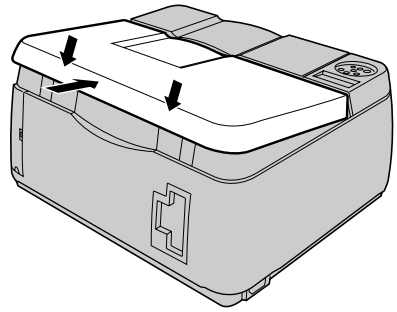


10 Raise the printhead lock lever and push in toward the printer until it locks.



11 Re-attach the back upper cover.

The right cover lock releases automatically.

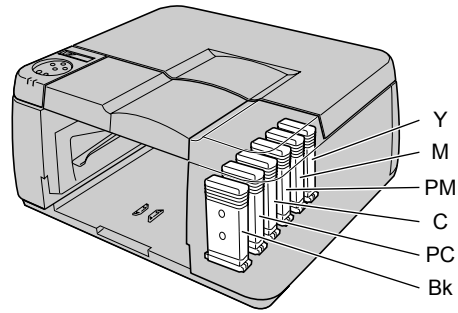


On the operation panel “Ins. Ink Tank OK” is displayed and the right cover lock is released. Go on to the next step to install the ink tanks.

5 Install the Ink Tanks

After installing the printhead, install the 6 ink tanks:

Y (Yellow)
M (Magenta)
PM (Photo Magenta)
C (Cyan)
PC (Photo Cyan)
Bk (Black)

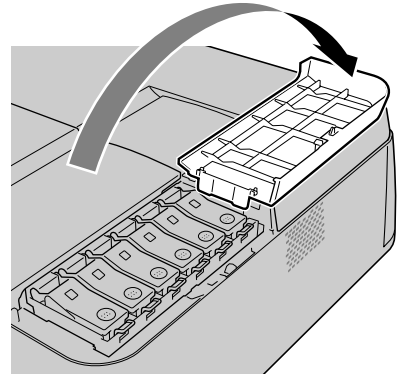


Important

- Before you use the printer the first time, you must install the ink tanks immediately after installing the printhead. If the printer is switched off after installation of the printhead without the ink tanks installed, the printer may not operate correctly even if the ink tanks are installed after the printer is switched on again.
- If the printer is switched off after the printhead has been installed without the ink tanks, press the Online button to set the printer offline then execute "Head Cleaning C". (→User's Guide, Chapter 7, "Cleaning the Printhead")

1 Open the right cover.

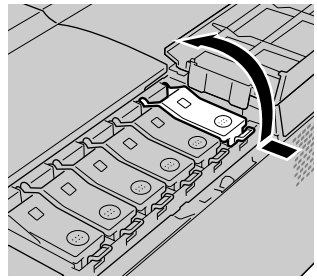
If the right cover is locked, press the Online button to turn off the Online lamp and set the printer offline. Press the Ink Replace button to unlock the right cover.



Important

- Always unlock the right cover before you try to open it. To prevent damaging the printer, never force the right cover open.

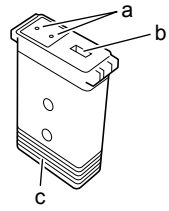
2 Push up the ink tank lever for the color to set, then open the ink tank cover.



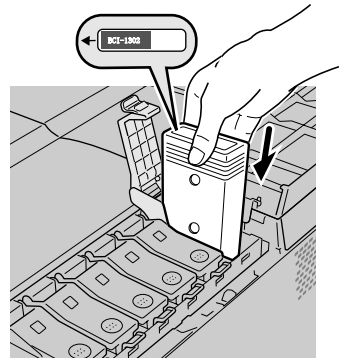
3 Remove the ink tank from its package.

Important

- Always hold the ink tank by the grips (c) on both sides of the tank.
- To avoid poor printing results and prevent ink spillage, never touch the ink ports (a) or the electrical contacts (b). The illustration below shows the insert side facing up.



4 With the ink ports facing down and the label facing in the direction as shown in the illustration below, insert the ink tank into the holder.

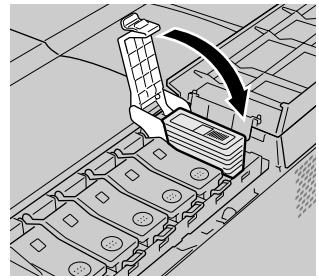


Important

- Always match the color of the ink with the correct holder before inserting it. The ink tank cannot be installed if you try to install it in the wrong holder or position it incorrectly.
- Gently turn the black ink tank side to side, then press in to insert it.

5 Close the ink tank cover.

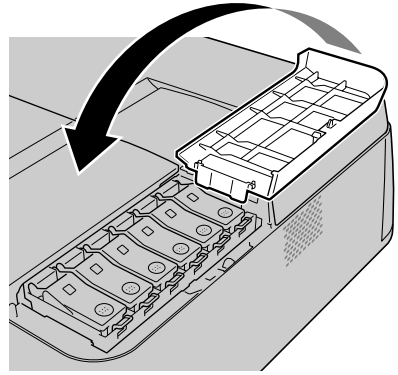
Press down on the cover until you hear it click and lock.



6 Repeat Step 2 to 5 to install all the other ink tanks.

7 After all ink tanks have been installed, close the right cover.

Press down the right cover gently until you hear it click and lock.

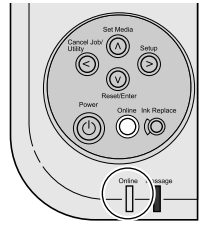


After successful installation of the printhead and the ink tanks, “Ink Filling…” is displayed on the operation panel and the ink automatically starts flowing.

Important

- If any of the ink tanks are not installed, the right cover opens automatically. Make sure that all of the colored ink tanks are installed.
- After performing the “Move Printer” selection on the operation panel to prepare the printer for moving or shipment, even after the ink tanks are installed again, the initial ink filling will not execute automatically. After installing the ink tanks, press the Online button to set the printer offline, then execute “Head Cleaning C” with the printer operation panel. (→User’s Guide, Chapter 7, “Cleaning the Printhead”)

8 When ink filling processing is completed, press the Online button to set the printer online.



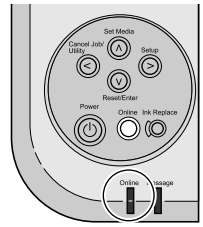
6 Selecting the Display Language

The display language is set for English when the printer is shipped. Follow the procedure below to select another language.

Note

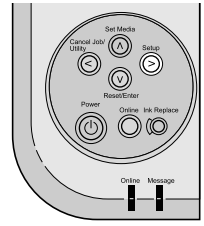
- If you want to continue with the English display, go to “7 Load the Paper Cassette”.

1 Press the Online button to switch the Online lamp off.



The Printer is set offline.

2 Press the Setup button.



The Setup Menu opens.

3 Press < or > to display “Ext. Features” and press ∨.

```
Setup Menu
Ext. Features  →
```

4 Press < or > to display “Language” and press ∨.

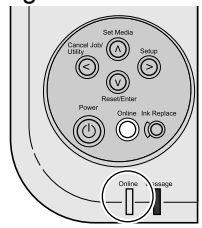
```
Ext. Features
Language          →
```

5 Press < or > to display your language and press ∨.

```
Language
=Us
```

An equals sign (=) to the left of a setting indicates your language.

6 Press the Online button to light the Online lamp.



“Ready” is displayed in the operation panel.

7 Load the Paper Cassette

Follow the procedures below to load the paper cassette.

- Loading the paper or other print media in the cassette.
- Selecting the media size and type on the operation panel.

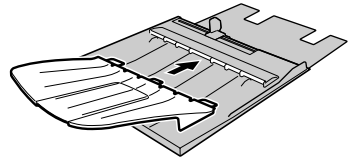
Loading the Media

Follow the procedures below to load the paper cassette provided with the printer. This procedure also applies to the optional paper cassettes.

Note

- The paper cassette holds approximately 250 sheets of standard weight (64 to 105 g/m^2) plain paper. However, the number of sheets that the cassette can hold depends on the type of paper. (→ User's Guide, Chapter 2, "Print Media You Can Use")

1 Install the tray (removed at P.1-8) onto the cassette cover.

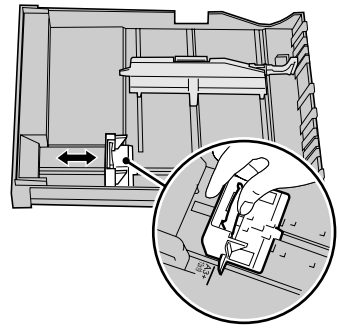


Note

- For the optional paper cassettes (Cassette 2,13x22 inch Cassette) there is no tray, so removal or installation is not required.
- The tray cannot be attached to the cassette covers of the optional paper cassettes.

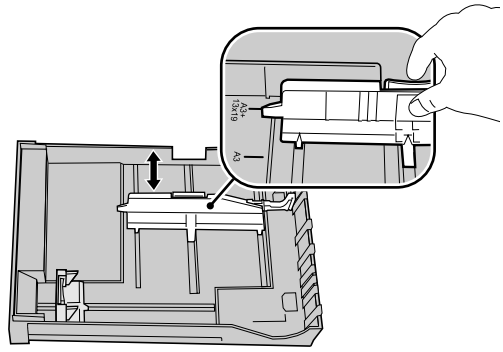
2 Hold the lever on the cassette length guide so it moves freely and move the guide to the holes for the size of the paper.

Marks for standard paper sizes are provided on the length guide. Move the guide to the desired mark.

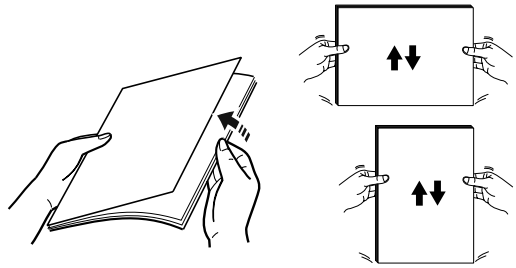


3 Hold the lever on the width guide so it moves freely and move the guide to the paper size mark.

The width guide can be set and locked every 0.5 mm (0.02 in.). Set the width guide slightly larger than the desired paper size.

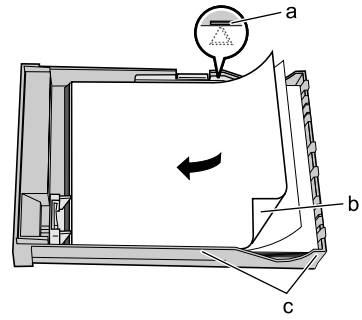


4 Pick up a stack of media and fan it to remove static cling. Tap the edges of the stack against a flat surface to align the edges.



5 With the print side (b) facing down, load the stack (c) in the cassette with the length guide against the bottom of the stack.

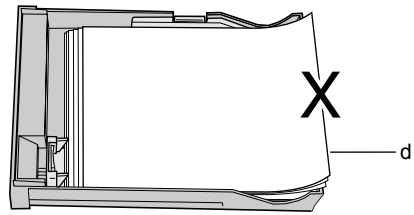
You can fill the cassette up to the load limit mark (a) marked on the width guide.



Important

- Overloading the paper cassette can cause paper jams. Never load paper higher than the load limit mark (a), and never load more than the number of sheets recommended for special print media. (→ User's Guide, Chapter 2, "Print Media You Can Use")
- A large gap at the side of the stack (c), or incorrect alignment of the stack here, may cause poor print results due to paper skew during feeding. Make sure that the side is aligned correctly and that the stack is snug against this side of the cassette.

- To avoid paper jams, make sure that the trailing edge is aligned square with the length guide, and make sure that the edges at (d) are straight and not slanted.



- Wait for all of the paper in the cassette to be used up before loading more paper.
- Never mix different types of paper or other print media in the same stack.
- Be sure to read all the information in the User's Guide and in the instructions provided with the paper or other print media about handling different types of print media.

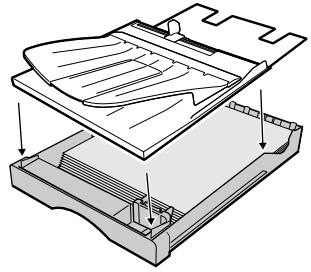
6 Move the width guide until it rests lightly against the side of the stack.

Important

- To ensure smooth paper feed from the cassette, make sure that the width guide is snug and not too tight against the side of the stack. If the width guide is too tight, or if there is a gap between the paper and the guide, this may cause paper to feed incorrectly.

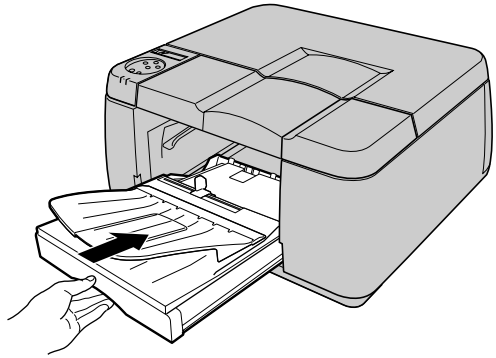
7 Install the cassette cover.

Align the four pegs on bottom of the cassette cover with the holes in the cassette below and set the cover on the cassette



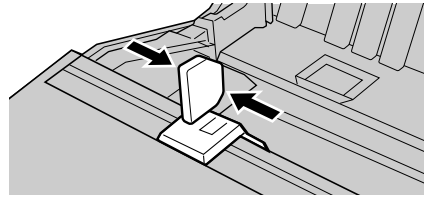
8 Set the paper cassette in the printer.

Push the paper cassette completely into the printer.



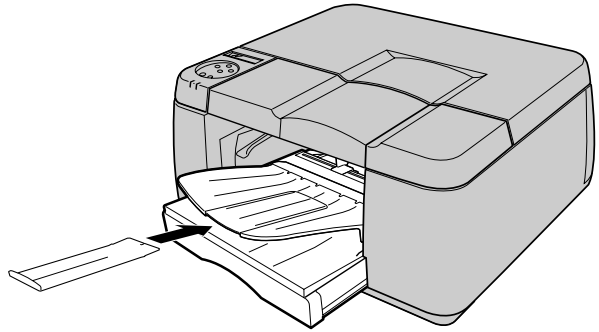
Important

- You must set the slide lever to the center position to enable paper feed from the cassette.



Note

- The output tray extension should be used to prevent large size media from falling off the tray after it is ejected from the printer. Always attach the output tray extension before starting the print job.



Media Size and Media Type Settings

After loading paper or other print media in the paper cassette, you must use the operation panel menus to select the type and size of the paper or other print media loaded in the cassette. Paper size settings are required only when using B5-JIS. If you fail to perform this setting, the computer and printer will not be able to print correctly. For more details about paper size settings, see Chapter 2, "Print Media You Can Use" in the User's Guide.

Here is a summary of the print media settings.

Print Media Name	Operation Panel Setting (Media Type)
Plain paper Bubble Jet Paper (LC-301)	Plain Paper
High Resolution Paper (HR-101S)	Coated Paper
Matte Photo Paper (MP-101)	Matte Photo
Glossy Photo Paper (GP-301)	Glossy Paper
Glossy Paper (KP-101)	Glossy Paper 2
Photo Paper Pro (PR-101)	Photo Pro
High Gloss Photo Film	Glossy Films
Color Bubble Jet Transparencies (CF-102)	Transparency
Color Bubble Jet Transparencies Quick Drying Type (CF-401)	Quick Dry Tran
BJ Proofing Paper (IP-101)	Proof A
Proofing Paper	Proof B
-	Proof C
-	Proof D
-	Special 1-5

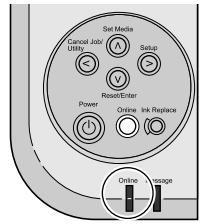
Important

- When you select Cassette 1 or Cassette 2 loaded with the media sized A4, B4, A3, A3+, 13x22 in., Letter, Legal, and Ledger, the "Media Size" setting is set automatically for the size of the media loaded in the paper cassette, so you need only to perform the "Media Type" setting. The paper 13x22 in. is for the optional cassette 13x22 in.
  When B5-JIS is loaded in the cassette, the printer does not set the size automatically. Select the size and type of the media on the operation panel.

Note

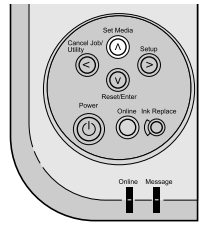
- The printer is shipped from the factory with the “Media Size” set for “B5-JIS” and the “Media Type” set for “Plain Paper”.
- It is recommended that the special settings (1 to 5) be used when smudges and blots appear on the print density is too light while printing on one of the media types listed above.
  The Special settings determine in 5 steps the amount of ink used on the surface of the media. The higher the number in the range of 1 to 5, the greater the amount of ink used. The setting may require testing and adjustment, depending on the media in use and the content of the image.
- “Proof C” and “Proof D” are displayed as media type items on the operation panel, but these items are not currently available for selection. These are preliminary settings for selection to be added in the future.

1 Press the Online button to switch off the Online lamp.



The printer is set offline.

2 Press the Set Media button.



The Media Set Menu opens.

3 Select the cassette.

If A4, B4, A3, A3+,13x22 in, Letter, Legal, or Ledger size paper is loaded in the paper cassette, the size is selected automatically. So you can go to Step 6.

- If the optional cassette is not installed.
  - Confirm that “Cassette 1” is displayed in the operation panel then press ∨.

```
Media Set Menu
Cassette 1      ↓
```

- If the optional cassette is installed.
  - Press < or > to select the cassette then press ∨.

```
Media Set Menu
Cassette 1      →
```

4 Press < or > to display “Media Size” and press ∨.

```
Cassette 1
Media Size      →
```

5 Press < or > to display the media size and press ∨.

```
Media Size
=B5-JIS         →
```

An equals sign (=) displayed to the left of the setting indicates the current Media Size selection.

6 Press < or > to display “Media Type” and press ∨.

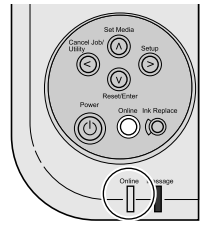
```
Cassette 1
Media Type      →
```

7 Press < or > to display the media type loaded and press ∨.

```
Media Type
=Plain Paper    →
```

An equals sign (=) displayed to the left of the setting indicates the current Media Type selection.

8 When you are finished, press the Online button to light the Online lamp on.



"Ready" is displayed on the operation panel.

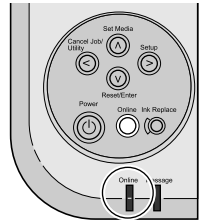
8 Select the Interface

If the printer is connected to the computer through the USB or parallel port, you must use the printer operation panel to select the appropriate interface setting. If the correct interface setting is not selected, the printer will not be able to communicate with the computer.

Note

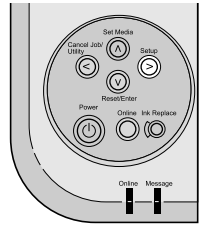
- The USB port is selected before shipping. If the printer has just been set up and connected to the computer via the USB port, you do not need to perform the interface selection.

1 Press the Online button to switch the Online lamp off.



The printer is set offline.

2 Press the Setup button.



The Setup Menu opens.

3 Press < or > to display “Set Interface” and press ∨.

```
Setup Menu
Set Interface  →
```

4 Press < or > to display “Interface Type” and press ∨.

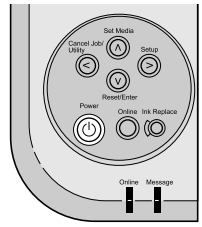
```
Set Interface
Interface Type →
```

5 Press < or > to display the setting for the interface connection and press ∨.

```
Interface Type
USB              →
```

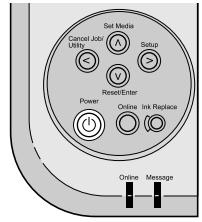
An equals sign (=) to the left of a setting indicates the current port selection.

6 Hold down the Power button for over 2 seconds and release it when the Online lamp starts to flash.



After the printer displays “Please Wait…” the printer goes off.

7 Wait for few seconds then press the Power button to switch the printer on.



After a few seconds “Ready” is displayed in the operation panel and the Online lamp lights. The printer is now ready to print through the selected interface port.

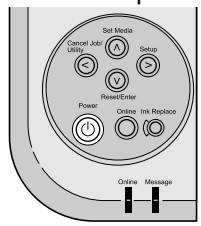
9 Confirm the Print Status of the Printer

After the printer and computer have been prepared, print a Nozzle Check pattern to confirm that ink is supplied correctly from each nozzle. Before printing, load A4 or Letter size paper in Cassette 1.

Important

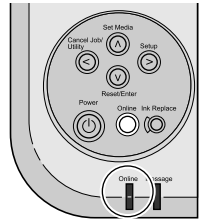
- Always load A4 or Letter sized paper in Cassette 1. If a smaller size is loaded, it may smear ink inside the printer and onto other media.
- You do not need to select the media size on the operation panel. The paper is force fed from Cassette 1 to print the pattern.

1 Press the Power button to switch the printer on.



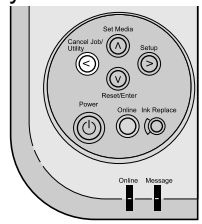
After a few seconds “Ready” is displayed in the operation panel and the Online lamp lights.

2 Press the Online button to switch the Online lamp off.



The printer is set offline.

3 Press the Cancel Job/Utility button.



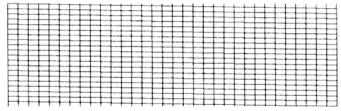
The Utility Menu opens on the operation panel.

4 Press < or > to display “Nozzle Check” then press ∨.

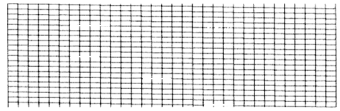
```
Utility Menu
Nozzle Check    →
```

The nozzle check pattern prints. If there are no breaks in the vertical and horizontal lines for each color, the nozzle check pattern is normal.

- Normal Print Pattern



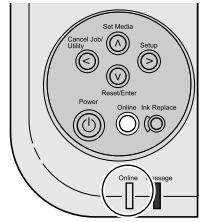
- Abnormal Print Pattern



If any of the lines are broken, perform the following procedure:

- Execute printhead cleaning. (→ User’s Guide, Chapter 7, “Cleaning the Printhead”)

5 When you are finished, press the Online button. The Online lamp lights.



When “Ready” is displayed on the operation panel and the printer is ready to print.

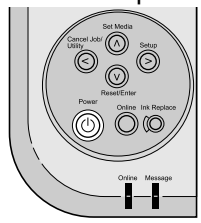
10 Adjust the Printhead Position

After confirming that the nozzles are operating normally, print the printhead alignment pattern and set each adjustment value. Before printing, load A4 or Letter size paper in Cassette 1.

Important

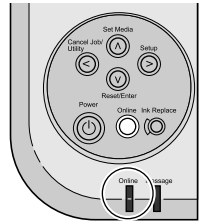
- Always load A4 or Letter size paper in Cassette 1. If a smaller size is loaded, it may smear ink inside the printer and onto other media.
- You do not need to select the media size on the operation panel. The media is force fed from Cassette 1 to print the pattern.

1 Press the Power button to switch the printer on.



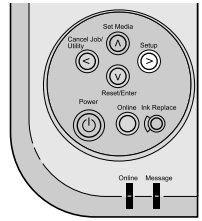
After a few seconds “Ready” is displayed in the operation panel and the Online lamp lights.

2 Press the Online button to switch the Online lamp off.



The printer is set offline.

3 Press the Setup button.



The Setup Menu opens.

4 Press < or > to select “Adjust Printer” then press ∨.

```
Setup Menu
Adjust Printer →
```

5 Press < or > to select “Adj. Printhead” then press ∨.

```
Adjust Printer
Adj. Printhead →
```

6 Press < or > to select “Position Adjust” then press ∨.

```
Adj. Printhead
Position Adjust→
```

7 Press < or > to select “Print Pattern” then press ∨.

```
Position Adjust
Print Pattern  →
```

The printhead alignment pattern prints.

8 Press < or > to select “Adj. Setting A” then press ∨.

```
Position Adjust
Adj. Setting A →
```

9 Look at “A” on the printhead alignment pattern and determine the number of the vertical line that is least conspicuous. Press < or > to display that number then press ∨.

```
Adj. Setting A
 2                →
```

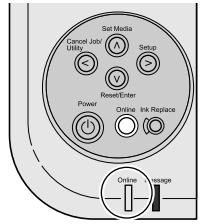
The selected setting is prefixed with an equals sign (=) to denote the current value for A.

Vertical Lines Conspicuous

Vertical Lines Inconspicuous

10 Repeat Step 8 to Step 9 to adjust the settings for B to F.

11 When you are finished, press the Online button to switch the Online lamp on.



When “Ready” is displayed on the operation panel, the printer is ready to print.

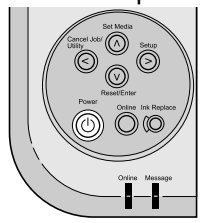
11 Adjusting the Amount of Line Feed

After adjusting the printhead position, print the LF setting pattern and adjust the amount of media feed. Before printing the LF setting pattern, load LF adjust paper provided with the printer into Cassette 1.

Important

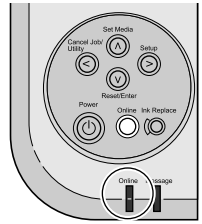
- Always load A4 or Letter size media in Cassette 1. If a smaller size is loaded, it may smear ink inside the printer and onto other media.
- You do not need to select the media size on the operation panel. The media is force fed from Cassette 1 to print the pattern.

1 Press the Power button to switch the printer on.



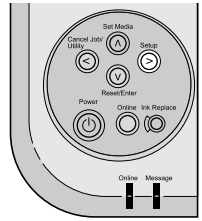
After a few seconds “Ready” is displayed on the operation panel and the Online lamp lights.

2 Press the Online button to switch the Online lamp off.



The printer is set offline.

3 Press the Setup button.



The Setup Menu opens.

4 Press < or > to select “Adjust Printer” then press ∨.

```
Setup Menu
Adjust Printer →
```

5 Press < or > to select “Adj. Printhead” then press ∨.

```
Adjust Printer
Adj. Printhead →
```

6 Press < or > to select “LF Adjust” then press ∨.

```
Adj. Printhead
LF Adjust→
```

7 Press < or > to select “Print Pattern” then press ∨.

```
LF Adjust
Print Pattern  →
```

The printer prints the LF Adjust pattern.

8 Press < or > to select “Adj. Setting” then press ∨.

```
LF Adjust
Adj. Setting    →
```

9 Look the LF setting pattern and determine the number of the horizontal line that is least conspicuous. Press < or > to display that number then press ∨.

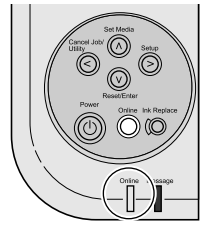
```
Adj. Setting
 1              →
```

The selected setting is prefixed with an equals sign (=) to denote the current setting.

Horizontal Lines Conspicuous

Horizontal Lines Inconspicuous

10 After adjustment of the LF settings is finished, press the Online button to switch the Online lamp on.



When “Ready” is displayed on the operation panel, the printer is ready to print.

Note

- If you mistakenly alter the settings on the operation panel, the printer may print white or dark streaks.

2 Setting the Printer Network Information

This chapter describes the printer network settings required when the printer is connected to a TCP/IP network or used as a Remote UI. These settings should be done by the network administrator or the printer manager.

Software for Network Settings

When this printer is connected to a TCP/IP network, the IP address, subnet mask, and other network information settings are required for the printer.

We recommend that you set the IP address with the GARO Device Setup Utility first, and then use the Remote UI to set the subnet mask, default gateway, and other network information settings.

These settings can also be done on the printer operation panel.

For more details about the IP address and other information assigned to the printer, contact the network administrator. It is recommended that these settings be done by the network administrator.

■GARO Device Setup Utility

Windows software used on the computer to set the printer IP address and network frame type. (→ P.2-3)

Install on a computer that is connected to the printer through a LAN. This cannot be used with a computer where the printer is connected locally.

■Remote UI

Software that allows you to perform network information settings for the printer, to display the current status of the printer, to cancel or temporarily pause print jobs, or to display the print job history. This software utility is built into the printer ROM. Use a Web browser from the computer to set the printer IP address and to perform operation settings through the network. (→ Network Guide)

If the Remote UI is to be used, the IP address must be set on the printer.

■Printer Operation Panel

Refers to the menus that can be used on the printer operation panel. You can use the buttons on the operation panel to perform the network information settings and set up other printer functions. (→ P.2-10)

■ARP/PING Command

On the DOS command line, or from the console screen, execute the arp command to perform the settings. First, check the MAC address with the Ext. I/F print from the printer, then set the IP address and the MAC address. (→ Network Guide)

Setting with the GARO Device Setup Utility

If you are using Windows, you can use the GARO Device Setup Utility to set the network information.

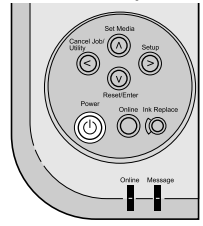
Checking the Printer MAC Address

For the network settings you need the printer MAC address (the number used to identify the built-in network interface board).
Follow the procedure below to perform an Ext. I/F Print so you can check the MAC address. Before printing, make sure A4 or Letter size paper is loaded in Cassette 1.

Important

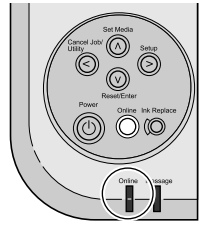
- Always load A4 or Letter size paper in Cassette 1. If a smaller size is loaded, it may smear ink inside the printer and onto other media.
- You do not need to select the media size on the operation panel. The media is force fed from Cassette 1 to print the pattern.

1 Press the Power button to switch the printer on.



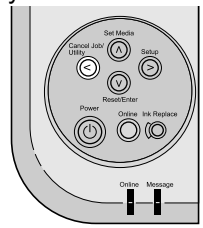
After a few seconds “Ready” is displayed in the operation panel and the Online lamp lights.

2 Press the Online button to switch the Online lamp off.



The printer is set offline.

3 Press the Cancel Job/Utility button.



The Utility Menu opens.

4 Press < or > to select “Ext. I/F Print” then press ∨.

```
Utility Menu
Ext. I/F Print →
```

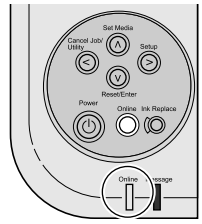
The information for the extended interface prints. The MAC address is printed at the location shown below.

```
Canon     CONFIG PRINT     NB-11FB

Extended interface                          CANON-MIB
  Version        :3.3                         Version    :2.40
  Transfer mode  :DMA                         MAC address  :00:00:85:xx:xx:xx
Firmware
  Version        :1.10

NetWare
  NetWare                :Enabled
  Frame type             :802.2
  Network address        :00 00 00 00
  Node address           :00 00 85 xx xx xx
  Print service          :None
  NDS Pserver            :Disabled
    Tree name            :
    Context name         :
                         :
```

5 When you are finished, press the Online button to light the Online lamp.



When “Ready” is displayed on the operation panel and the printer is ready for operation.

Installing the GARO Device Setup Utility

Important

- If you are using Windows XP, Windows 2000, or Windows NT 4.0, you must log in as a member of the Administrators group.

1 Mount the provided User Software CD-ROM in the CD-ROM drive.

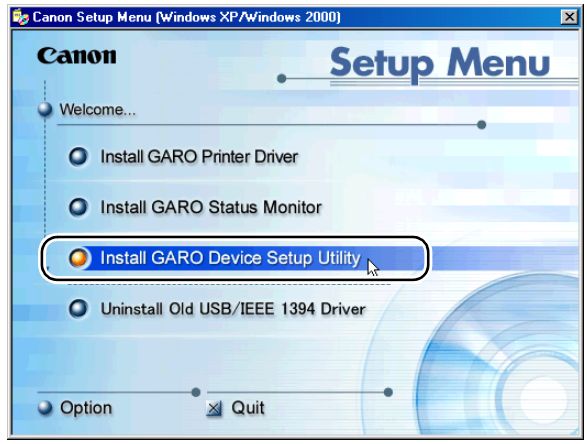
First, the language selection screen opens. Select the appropriate language.

The Setup Menu window opens.

Note

- If the AutoPlay function is switched off, double-click the My Computer icon on the desktop, click the CD-ROM drive icon, and then from the File menu select AutoPlay.

2 Click “Install GARO Device Setup Utility”.



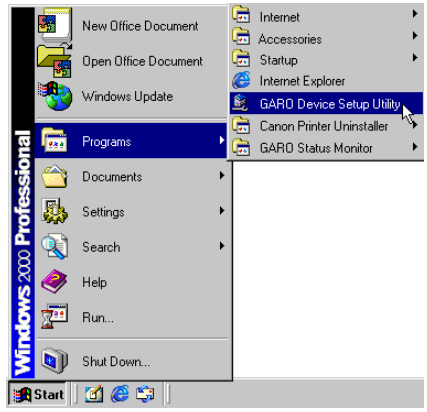
3 Follow the instructions on the screen.

The installation for the GARO Device Setup Utility starts.

This completes the installation of the GARO Device Setup Utility.

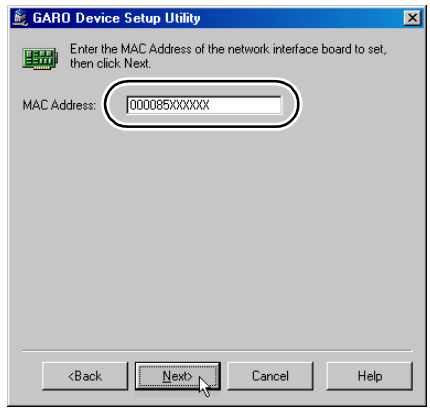
Setting the Network Information

1 On the desktop, click the Start button, point to Programs, then click "GARO Device Setup Utility".



2 Click the Settings button.

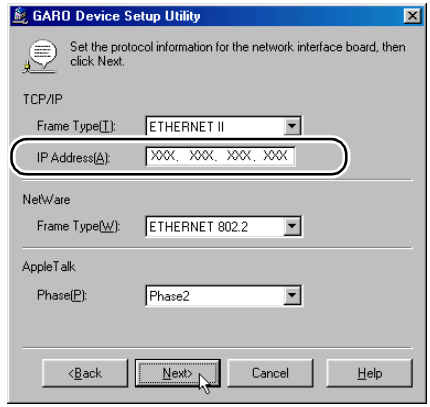
3 In the MAC Address box, enter the MAC address, then click the Next button.



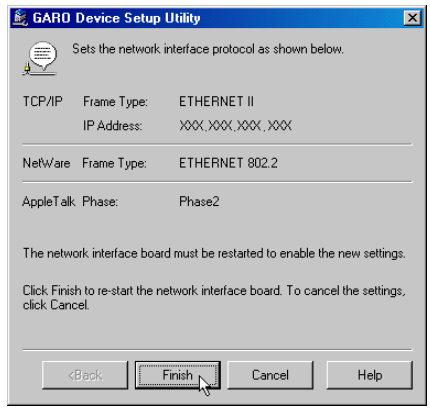
Note

- Enter the MAC address number for “Status Print” (without the colon).

4 In the IP Address box under TCP/IP, enter the IP address assigned to the printer, then click the Next button.

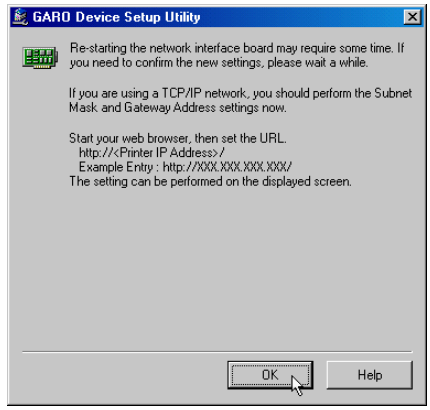


5 Check the settings, then click the Finish button.



The settings are enabled.

6 Read and confirm the displayed message, then click the OK button.



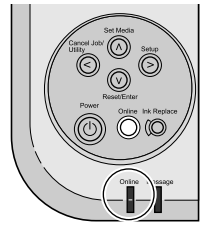
7 Click the End button.

Now you should perform the settings for the subnet mask and the default gateway.
Use Internet Explorer or another browser to specify the IP address that you set here, and by starting the Remote UI you can easily perform the detailed network settings on the computer screen.
For a description of how to use the Remote UI, please refer to the Network Guide. For details about how to perform the settings on the printer operation panel, please refer to page 2-10.

Doing the Settings on the Printer Operation Panel

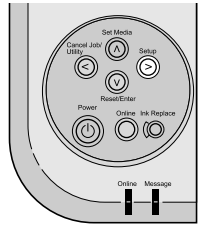
The network information settings can be performed on the printer operation panel. The Frame type, DHCP, IP address, subnet mask, and default gateway settings can all be performed on the operation panel.

1 Press the Online button to switch the Online lamp off.



The printer is set offline.

2 Press the Setup button.



3 Press **<** or **>** to select “Set Interface” then press **∨**.

```
Setup Menu
Set Interface  →
```

4 Press **<** or **>** to select “Ext. Network” then press **∨**.

```
Set Interface
Ext. Network   →
```

5 Press < or > to select “Set TCP/IP” then press ∨.

```
Ext. Network
Set TCP/IP      →
```

6 Press < or > to select “Frame Type” then press ∨.

```
Set TCP/IP
Frame Type      →
```

7 Press < or > to select “Ethernet II” then press ∨.

```
Frame Type
Ethernet II     →
```

An equals sign (=) displayed to the left of the setting indicates the current Frame Type selection.

8 Press < or > to select “IP Mode” then press ∨.

```
Set TCP/IP
IP Mode         →
```

9 Press < or > to select “Manual” then press ∨.

```
IP Mode
Manual          →
```

Note

- If the IP address is acquired from the DHCP, BOOTP, or RARP server, select “Automatic” and set the “Protocol” for the server type to “ON”. In this case, you do not need to perform the settings in Step 10 to Step 22. Perform the operations from Step 23.

10 Press < or > to select “IP Setting” then press ∨.

```
Set TCP/IP
IP Setting      →
```

11 Press < or > to select “IP Address” then press ∨.

```
IP Setting
IP Address      →
```

12 Press < or > to select the IP address digit to change then press ∨.

```
IP Address
=192. 168. 0. 215
```

The underscore (_) indicates the digit selected to change.

13 Press < or > to enter the IP address assigned to the printer then press ∨.

> : Press to increase the number one by one.

< : Press to decrease the number one by one. The number after 0 is 255.

```
IP Address
=XXX. 168. 0. 215
```

The IP address is set.

14 Repeat Step 12 and Step 13 to enter the complete IP address.

15 After entering the IP address, press ∧, press < or > to select “Subnet Mask”, then press ∨.

```
IP Setting
Subnet Mask     →
```

16 Press < or > select the subnet mask digit to change then press ∨.

```
Subnet Mask
=0 . 0. 0. 0
```

The underscore (_) indicates the digit selected to change.

17 Press < or > to enter the subnet mask in use then press ∨.

> : Press to increase the number one by one.

< : Press to decrease the number one by one. The number after 0 is 255.

```
Subnet Mask
=255. 0. 0. 0
```

The subnet mask value is set.

18 Repeat Step 16 and Step 17 to enter the subnet mask in use.

19 After entering the subnet mask, press ∧, press < or > to select "Default G/W", then press ∨.

```
IP Setting
Default G/W    →
```

20 Press < or > to select the digit to change the router IP address then press ∨.

```
Default G/W
=0. 0. 0. 0
```

The underscore (_) indicates the digit selected to change.

21 Press < or > to enter the router IP address then press ∨.

```
Default G/W
=192. 0. 0. 0
```

> : Press to increase the number one by one.

< : Press to decrease the number one by one. The number after 0 is 255.

```
Default G/W
=192. 0. 0. 0
```

The default value for the gateway is displayed.

22 Repeat Step 20 and Step 21 to enter the complete router IP address.

23 After entering the router IP address, press ∧ three times, press < or > to select “Regis. Settings”, then press ∨.

```
Ext. Network
Regis.Settings →
```

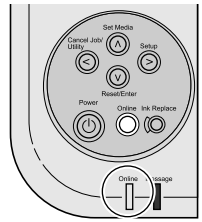
24 Press ∨.

```
Regis.Settings
Execute?
```

When “Registered!” is displayed, this completes the settings.

If an error is displayed, repeat the procedure to check each entry then correct the settings.

25 When you are finished, press the Online button to switch on the Online lamp.



When “Ready” is displayed on the operation panel and the printer is ready for operation.

3 Installing the Software

This chapter describes computer software and settings required to use the computer. Do the installation procedure on all the computers.

Installing a Windows TCP/IP Network Connection

This chapter describes the software and settings needed to connect the printer to a TCP/IP network with a Windows computer. Do the installation procedure on all Windows computers that use this printer.

TCP/IP Network Connection Software

To connect the printer to a TCP/IP network, the printer driver and an operating system with a TCP/IP print function are required.

■GARO Printer Driver

Software required for printing from Windows. This must be installed on every computer that will use the printer. The printer driver is used not only for basic operation of the printer; you can also use the driver for many functions such as setting preferences, adjusting color, and executing multiple copy print jobs. This printer driver can be used with Windows XP, Windows 2000, Windows NT 4.0, Windows Me, Windows 98, and Windows 95.

The printer driver is on the provided User Software CD-ROM. (→ P.3-5)

■LPR Port

This must be installed if you intend to print from Windows Me, Windows 98, or Windows 95 on a TCP/IP network. This software is installed with the printer driver when you select the printer driver installation from the Setup Menu of the provided User Software CD-ROM.

■Microsoft TCP/IP Print Function

This must be installed if you intend to print from Windows NT 4.0 or Windows 95 on a TCP/IP network. This software is installed from the operating system CD-ROM before the printer driver is installed. (→ P.3-3)

■GARO Status Monitor

This is the utility software for Windows used to display on the computer screen more details about the content of computer errors. This utility can be used with Windows XP, Windows 2000, Windows NT 4.0, Windows Me, Windows 98 or Windows 95.
This utility is on the provided User Software CD-ROM. Installation is recommended. (→ P.3-47)

Preparing the Windows TCP/IP Function

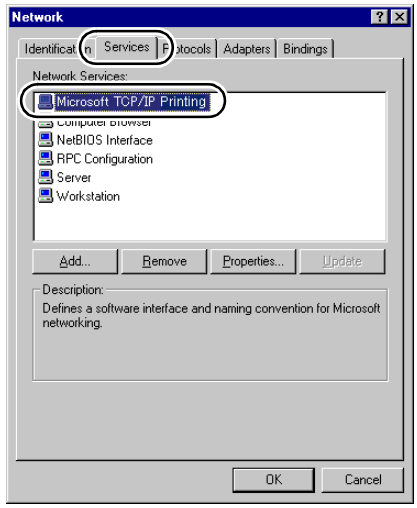
Before installing the printer driver, confirm that the functions required by the operating system have been installed. If they have not been installed, install the required functions from the operating system CD-ROM.

Windows XP, Windows 2000

The operating system software required to connect to a TCP/IP network has already been installed. Just install printer driver now. (→ P.3-5)

Windows NT 4.0

The operating system software required to connect to a TCP/IP network is not provided with the standard installation. To confirm whether the required software has been installed, on the desktop click the Start button, click Control Panel, open Network, then check the list on the Service sheet. If "Microsoft TCP/IP Printing" is listed, just install the printer driver now. (→ P.3-5)



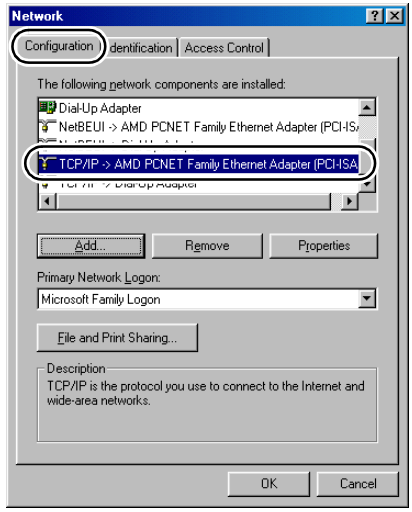
If "Microsoft TCP/IP Printing" is not listed, click the Add button. Under Network Services, select "Microsoft TCP/IP Printing" then install it from the operating system CD-ROM.

Windows Me, Windows 98

The operating system software required to connect to a TCP/IP network is installed when the printer driver is installed. Just install the printer driver now. (→ P.3-5)

Windows 95

The operating system software required to connect to a TCP/IP network may not be included with the standard installation. To confirm whether the required software has been installed, on the desktop click the Start button, click Control Panel, open Network, then check the list on the Configuration sheet. If "TCP/IP" is listed, just install the printer driver now. (→ P.3-5)



If "TCP/IP" is not listed, click the Add button. From Protocols select "TCP/IP" for Microsoft then install it from the operating system CD-ROM.

Important

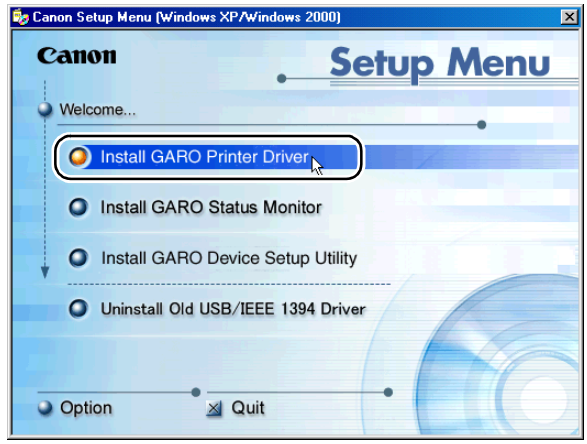
- If your are using Windows XP, Windows 2000, or Windows NT 4.0, you must log in as a member of the Administrators group.

1 Mount the provided User Software CD-ROM in the CD-ROM drive.

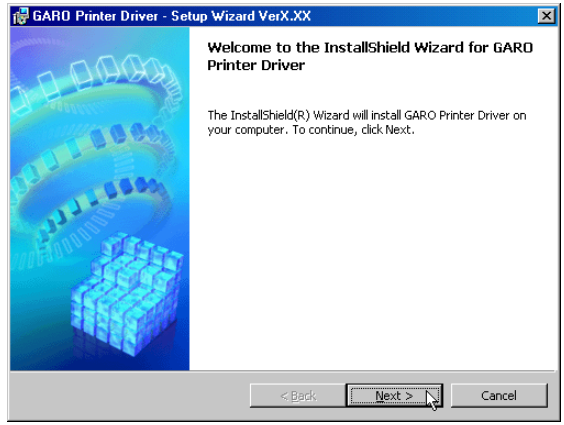
Note

- If the AutoPlay function is switched off, double-click the My Computer icon on the desktop, click the CD-ROM drive icon, and then from the File menu select AutoPlay.

2 On the Setup Menu, click “Install GARO Printer Driver”.



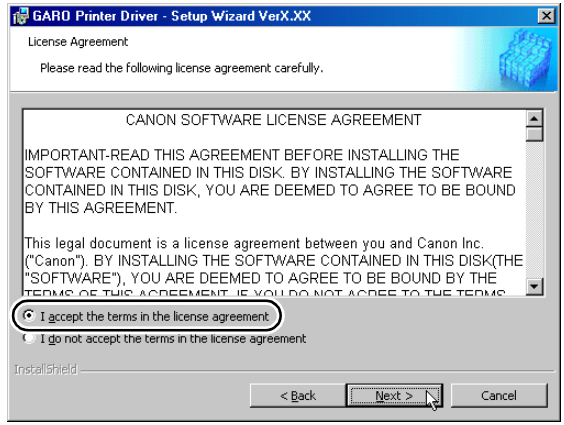
3 Read the message on the “Welcome to the InstallShield Wizard for GARO Printer Driver” screen, then click the Next button.



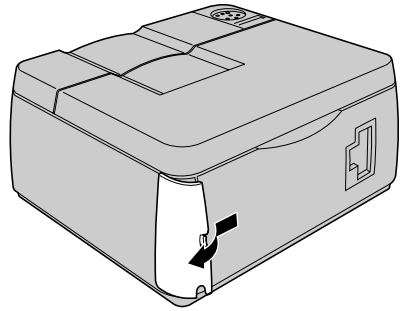
Note

- If an older version of a USB or IEEE1394 driver is installed, a message will inform you that an older version of a USB or IEEE1394 driver is installed in your system. If you see this message, click the OK button to return to the Setup Menu, then select “Uninstall Old USB/IEEE 1394 Driver” to uninstall the old USB driver. (→ User’s Guide).
  After the computer restarts, start the printer driver installation again from Step 1. (→ P.3-5)

4 Read the terms of the end user License Agreement, then select “I accept the terms in the license agreement” then click the Next button.



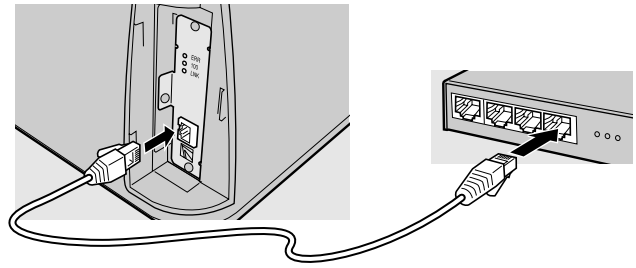
5 Press on the lever to remove the connector cover on the back of the printer.



Note

- Store the connector cover in a safe place. The connector cover must be re-attached after the LAN cable is disconnected or before moving the printer.

6 Connect the LAN cable to the LAN port of the printer then connect it to the HUB port.



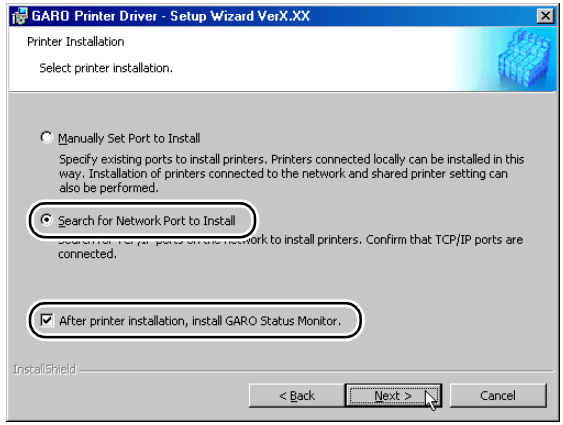
Press in until you hear a click.

Important

- If the printer is connected to a network, after you switch the printer on, you must check the LNK lamp and confirm that it is lit. For details, please refer to "Connect the Power Cord". (→ P.1-10)

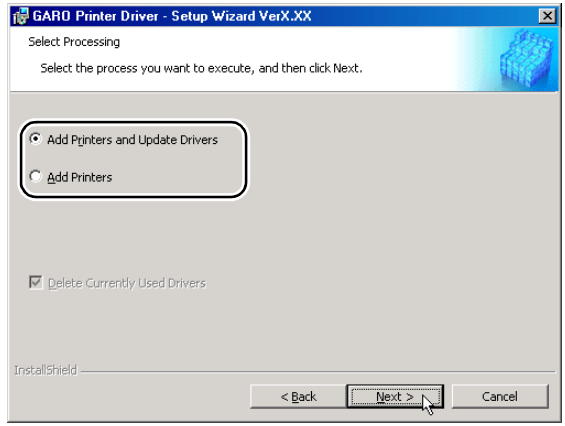
7 Select “Search for Network Port to Install” then click the Next button.

If you click the checkbox on for “After printer installation, install GARO Status Monitor”, the installation will continue with the installation of the GARO Status Monitor. Clicking this checkbox on to install the GARO Status Monitor is recommended. (→ P.3-47)



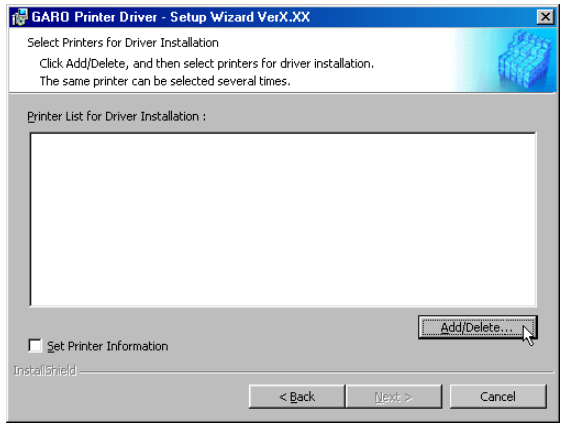
Note

- If your computer is using Windows XP, Windows 2000, or Windows NT 4.0 and the printer driver for the W2200 is already installed, the next screen opens.

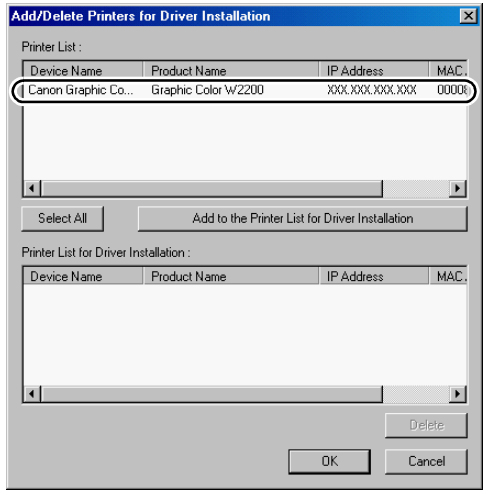


  - If you are adding a new printer, or if you are updating the printer driver for an installed printer with a new version of the printer driver, select “Add Printers and Update Drivers” then click the Next button.
  - If you are adding a new printer and you intend to use the currently installed version of the printer driver, select “Add Printers” then click the Next button.

8 Click the Add/Delete button.



A list displays the names of the printers that can be used on the network.

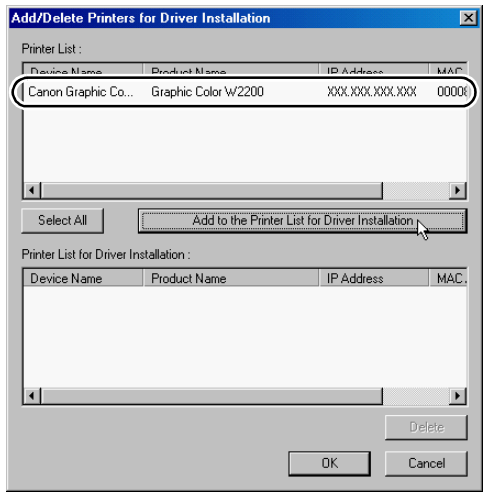


Important

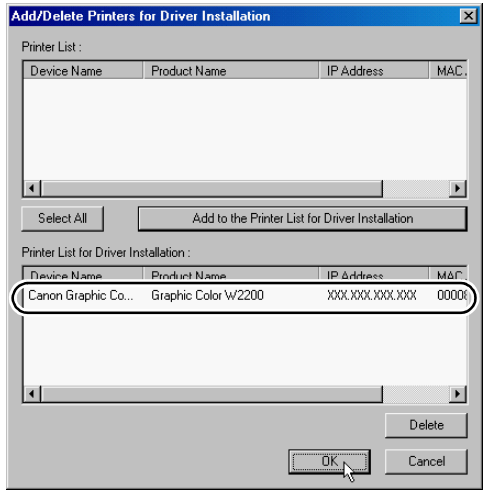
- If the printer to install is not listed, click the Cancel button at once. Check the LAN cable connection and make sure that the printer is switched on, then click the Add/Delete button again.
- If the printer is still not listed after doing the procedure above, then do the procedure below to install the port manually.
  1. On the Add/Delete Printers for Driver Installation screen, click the Cancel button to close the screen, then click the Back button to return to the Printer Installation screen.
  2. Follow Step 5 to 10 of the parallel connection installation procedure to select the printer to install. (→ P.3-28)

3. On the Printer Information screen, under Port Settings select Add Port then click the Settings button.
4. Under Port to Add, select “Standard TCP/IP Port” for Windows XP or Windows 2000 or select “Canon LPR Port” for Windows Me, Windows 98, Windows 95 or select “LPR Port” for Windows NT 4.0, then click the OK button and follow the instructions on the screen.
5. If you are using Windows XP or Windows 2000, in the Printer Name or IP Address text box, enter the IP address assigned to the printer then follow the instructions on the screen.
   If you are using Windows Me, Windows 98 or Windows 95, in the Host Name or IP Address text box enter the Printer Name or IP address of the printer.
   If you are using Windows NT 4.0, enter the IP address in the “Name or address of server providing lpd” text box, then enter “lp” in the “Name of printer or print queue on that server” text box.
6. When you return to the Printer Information screen, check the entry in the “PortSet” to confirm that the entered IP address is displayed:
   With Windows XP or Windows 2000 you should see:
   IP_XXX.XXX.XXX.XXX
   With Windows Me, Windows 98 or Windows 95 you should see:
   XXX.XXX.XXX.XXX@LP
   With Windows NT 4.0 you should see:
   XXX.XXX.XXX.XXX:LP
   Click the Next button.
7. Confirm the settings in the “Printer List for Driver Installation”, then follow the procedure from Step 12 to perform the procedure for installing the printer driver. (→ P.3-12)

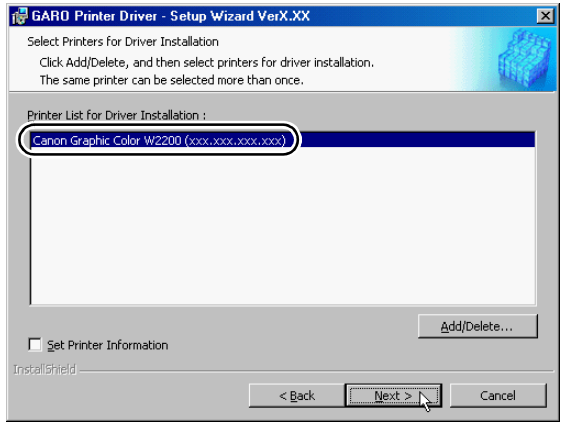
9 From the Printer List, select the printer that you want to install, then click the “Add to the Printer List for Driver Installation” button.



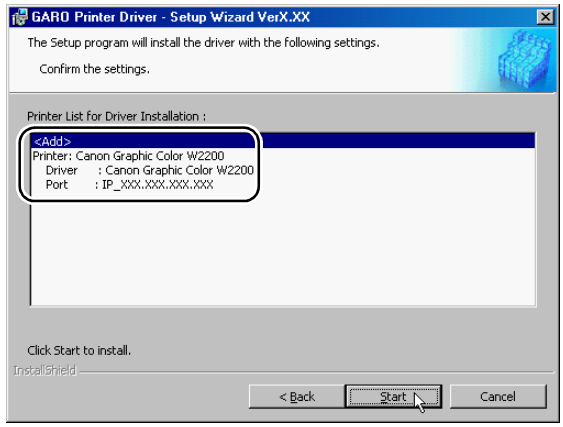
10 Confirm the name of the printer in the “Printer List for Driver Installation” list, then click the OK button.



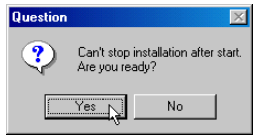
11 Confirm the printer name and IP address in the list, then click the Next button.



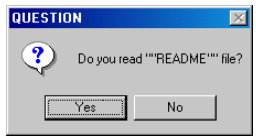
12 Confirm the content of the Printer List for Driver Installation, then click the Start button.



13 When the next message asks you to confirm that you want to start the setup, click the Yes button.



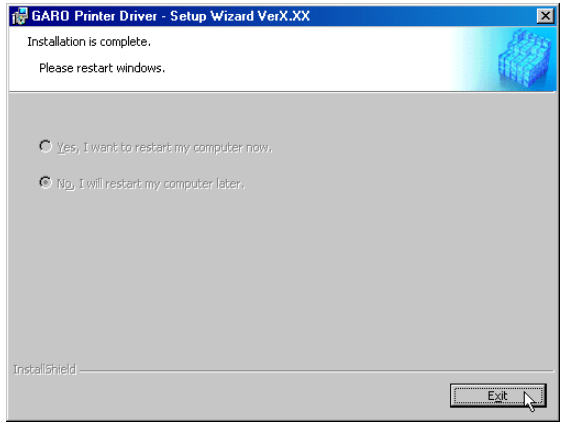
14 When the next message asks you to confirm that you want to read the README file, click the Yes or No button.



If you click the Yes button, the README file opens.

15 At Step 7 if you clicked the “After printer installation, install GARO Status Monitor” checkbox on and then clicked the Exit button, the installation continues with the installation of the GARO Status Monitor.

To continue, do the procedure from Step 3 for “Installing the GARO Status Monitor”. (→ P.3-48)



At Step 7 if you did not click the “After printer installation, install GARO Status Monitor” checkbox on, eject the CD-ROM from the computer, select “Yes, I want to restart my computer now”, then click the Exit button.

The printer driver installation is complete after the computer restarts.

Installing a Windows USB or IEEE1394 Connection

If you are using the printer with a USB or IEEE1394 connection to a computer running Windows XP, Windows 2000, Windows Me, or Windows 98, install the software for the connection and do the required settings. Do the installation on the Windows computer where the printer is connected.

USB and IEEE1394 Connection Software

The following software is used with a USB connection or IEEE1394 connection.

■GARO Printer Driver

Software required for printing from Windows. This must be installed on every computer that will use the printer. The printer driver is used not only for basic operation of the printer, you can also use the driver for many functions such as setting preferences, adjusting color, and executing multiple copy print jobs.

The printer driver is on the provided User Software CD-ROM. (→ P.3-15)

■GARO Status Monitor

This is the utility software for Windows used to display on the computer screen more details about the content of computer errors. This utility is on the provided User Software CD-ROM. Installation is recommended. (→ P.3-47)

Installing the Printer Driver to Windows

A USB port can be connected with Windows XP, Windows 2000, Windows Me, or Windows 98.

An IEEE1394 port can be connected with Windows XP, Windows 2000, or Windows Me.

Important

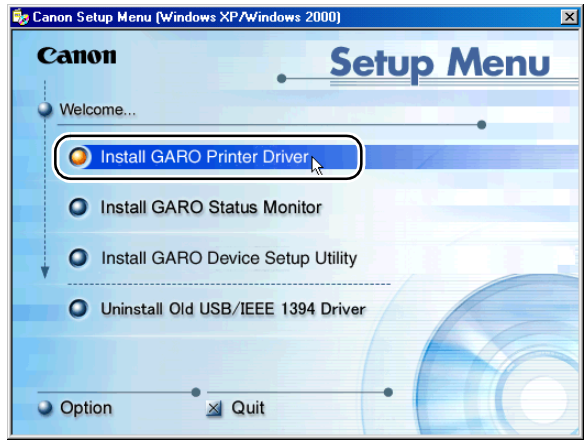
- The USB port and IEEE1394 port cannot be used at the same time.
- If you intend to use the USB connection on a printer that is presently set up with a parallel connection, you must do the procedure on the printer operation panel to switch the printer interface setting to "USB". (→ P.1-32) If you are installing a new printer, this procedure is not required because the printer interface is set for "USB" before it is shipped from the factory.
- When the printer is connected to a Windows computer, use a computer equipped with a PCI slot that is compatible with IEEE1394-1995 or IEEE1394-2000 (1394a) standard OHC-I. The connection may not operate correctly with any other type slot.
- If your are using Windows XP or Windows 2000, you must log in as a member of the Administrators group.
- Do not connect the cable yet. If you connect the cable now, the printer driver will not install correctly.
- Make sure that the printer is ON.

1 Mount the provided User Software CD-ROM in the CD-ROM drive.

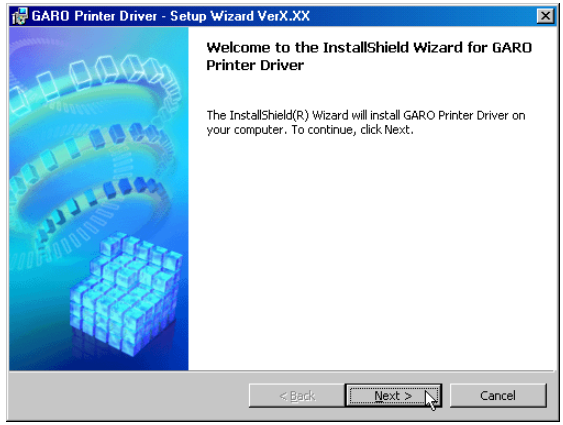
Note

- If the AutoPlay function is switched off, double-click the My Computer icon on the desktop, click the CD-ROM drive icon, and then from the File menu select AutoPlay.

2 On the Setup Menu, click “Install GARO Printer Driver”.



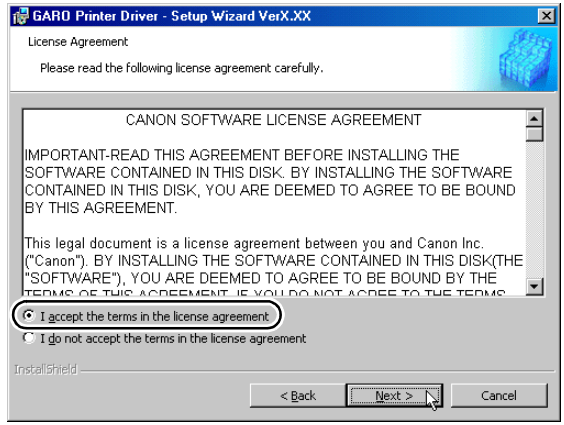
3 Read the message on the “Welcome to the InstallShield Wizard for GARO Printer Driver” screen, then click the Next button.



Note

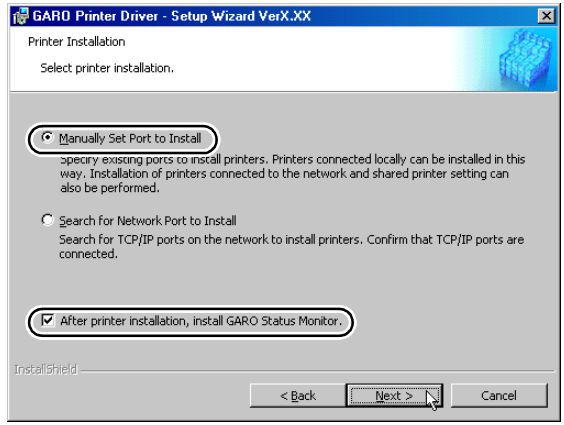
- If an older version of a USB or IEEE1394 driver is installed, a message will inform you that an older version of a USB or IEEE1394 driver is installed in your system. If you see this message, click the OK button to return to the Setup Menu, then select “Uninstall Old USB/IEEE 1394 Driver” to uninstall the old USB driver. (→ User’s Guide).
  After the computer restarts, start the printer driver installation again from Step 1. (→ P.3-15)

4 Read the terms of the end user license agreement, then select “I accept the terms in the license agreement” then click the Next button.

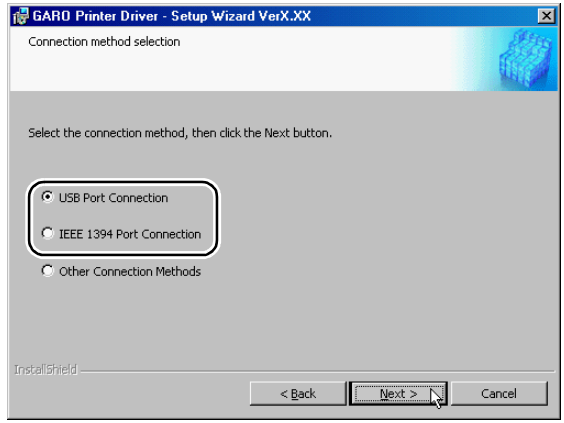


5 Select “Manually Set Port to Install”, then click the Next button.

If you click the checkbox on for “After printer installation, install GARO Status Monitor”, the installation will continue with the installation of the GARO Status Monitor. Clicking this checkbox on to install the GARO Status Monitor is recommended. (→ P.3-47)



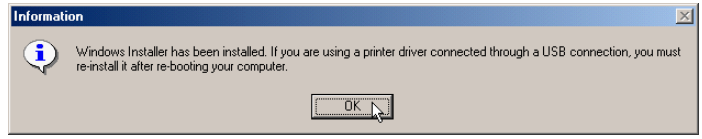
6 Connect either “USB Port Connection” or “IEEE1394 Port Connection” then click the Next button.



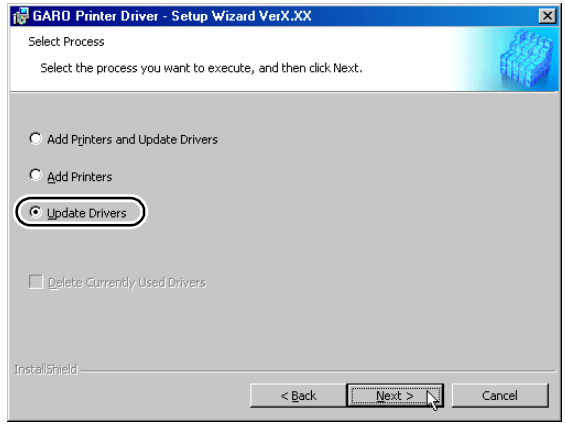
If a USB connection and IEEE1394 connection have already been installed, this screen is not displayed. The “Select Process” screen opens. (→ P.3-19)

Note

- If you are using Windows Me or Windows 98, a message may instruct you to restart your computer. If this message is displayed, click the OK button, click the installer's Finish button to finish the installation, then click the Finish button on the Setup Menu. On the desktop click the Start button, select Shut Down, then select Restart. After Windows restarts, perform the printer installation again from Step 1. (→ P.3-15).
- The following message is displayed if an older version of a printer driver for the W2200 is installed.



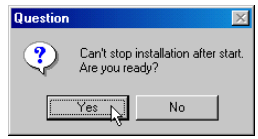
Click the OK button to open the next screen. (If you are using Windows Me or Windows 98, "Add Printers" is not displayed.)



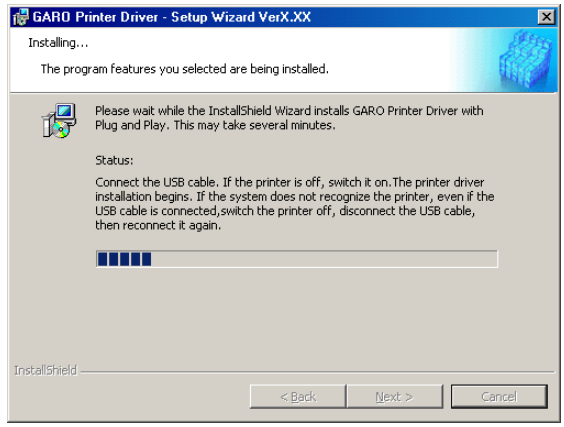
In that case, you must select "Update Drivers", click the Next button, follow the messages on the screen to install the new printer driver, and then restart the computer.

- A printer that formerly used a USB or IEEE1394 connection can be used with the new printer driver after the computer is restarted.
- For a newly added printer, or with a printer where a parallel connection was replaced with the USB or IEEE1394 connection, after restarting the computer, you must return to Step 1 and install the printer driver again. (→ P.3-15)

7 When the next message asks you to confirm that you want to start the setup, click the Yes button.

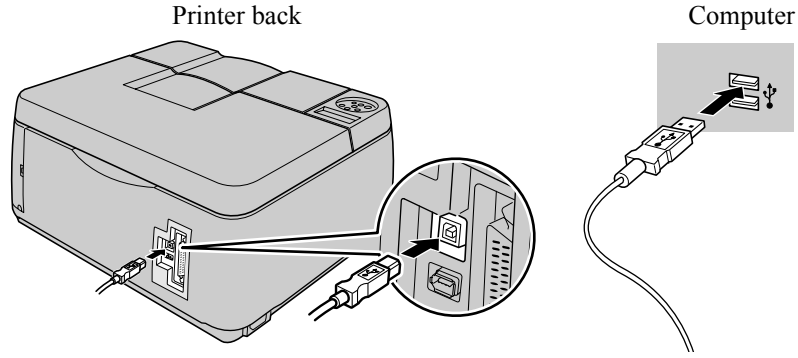


8 When the next screen opens, switch on the printer, then connect the cable to the printer and the computer.



■USB Connection

Connect the USB cable B connector (square) to the USB port on the back of the printer, then connect the A connector (flat) to a USB port on the computer.



Important

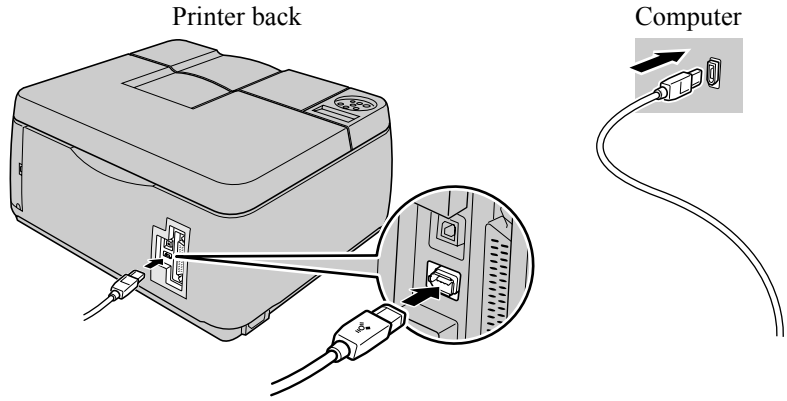
- Be sure to use a USB 1.1 standard connection cable.

Note

- The printer is equipped with a floating internal structure, so when you connect the printer cable if the connector moves slightly this does not indicate anything abnormal.

■IEEE1394 Connection

Connect the IEEE1394 cable to the IEEE1394 port on the back of the printer then to the IEEE1394 port on the computer.

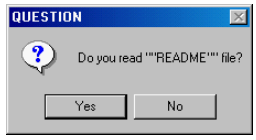


With a connector aligned correctly, push it all the way in to connect it securely.

Important

- Be sure to use a standard IEEE1394 connection cable with a 6-pin connector.
- For the IEEE 1394 port connection, only one printer can be connected to each computer. If more than two printers are connected to a computer, this printer may not operate correctly. When the printer is printing, make sure that the printer, the computers, and other equipment connected with the IEEE1394 cable are not switched off or disconnected.
- Be sure to connect the correct type of interface cable. To avoid damaging the cable or connectors, make sure the pins are aligned correctly when you connect the cable.

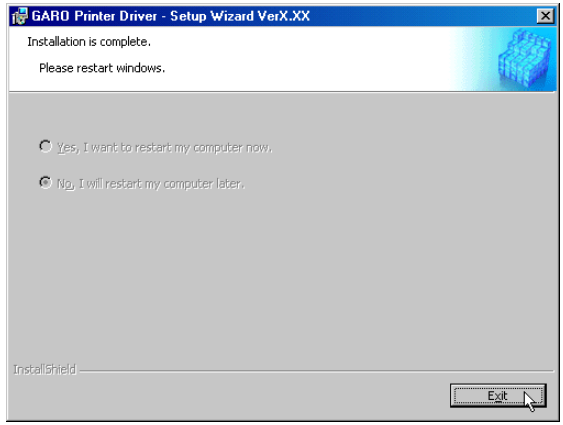
9 When the next message asks you to confirm that you want to read the README file, click the Yes or No button.



If you click the Yes button, the README file opens.

10 At Step 5 if you clicked the “After printer installation, install GARO Status Monitor” checkbox on and then clicked the Exit button, the installation continues with the installation of the GARO Status Monitor.

To continue, do the procedure from Step 3 for “Installing the GARO Status Monitor”. (→ P.3-48)



At Step 5 if you did not click the “After printer installation, install GARO Status Monitor” checkbox on, eject the CD-ROM from the computer, select “Yes, I want to restart my computer now”, then click the Exit button.

The printer driver installation is complete after the computer restarts.

Installing a Windows Parallel Connection

Describes the software and settings required on the computer for a parallel (Centronics) connection to a computer running Windows XP, Windows 2000, Windows NT 4.0, Windows Me, Windows 98, or Windows 95 (Service Pack 6 or later). Do this installation procedure on the Windows computer that will be connected to the printer.

Parallel (Centronics) Connection Software

The following software is used for a parallel connection.

■GARO Printer Driver

Software required for printing from Windows. This must be installed on every computer that will use the printer. The printer driver is used not only for basic operation of the printer, you can also use the driver for many functions such as setting preferences, adjusting color, and executing multiple copy print jobs. The printer driver is on the provided User Software CD-ROM. (→ P.3-26)

■GARO Status Monitor

This is the utility software for Windows used to display on the computer screen more details about the content of computer errors. This utility is on the provided User Software CD-ROM. Installation is recommended. (→ P.3-47)

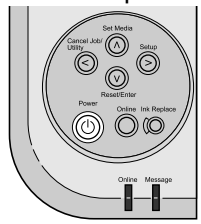
Connect the Printer Cable

Important

- If you intend to use a parallel port connection for a printer already set for a USB connection, use the printer operation panel to change the interface setting to Centronics. (→ P.1-32)
- The printer cannot be connected via the parallel port and USB port or IEEE1394 port at the same time.
- The printer should be connected via any interface other than the parallel port when printing high quality photographs or large document files.

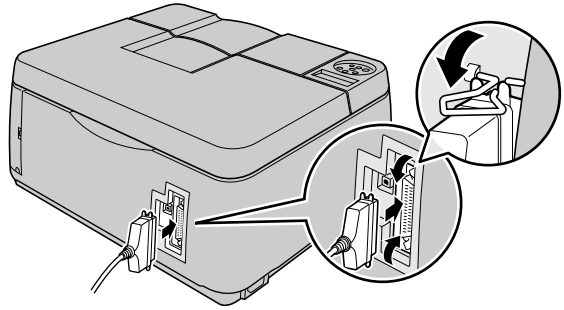
1 If the computer is switched on, shut down Windows to switch the computer off.

2 If the printer is on, hold down the Power button for over 2 seconds and release it when the Online lamp starts to flash.



After the printer displays “Please Wait…” the printer goes off.

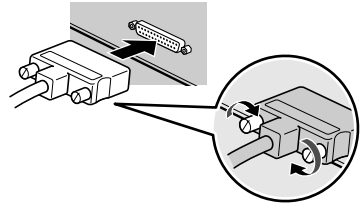
3 Connect one end of the cable to the parallel (Centronics) port on the back of the printer, then lock the clips on both sides of the connector.



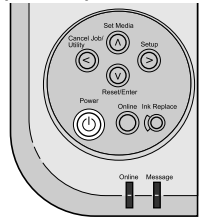
Note

- The printer is equipped with a floating internal structure, so when you connect the printer cable if the connector moves slightly this does not indicate anything abnormal.

4 Connect the other end of the cable to the parallel printer port on the computer, then tighten the screws on both sides of the connector.



5 On the printer operation panel, press the Power button.



Important

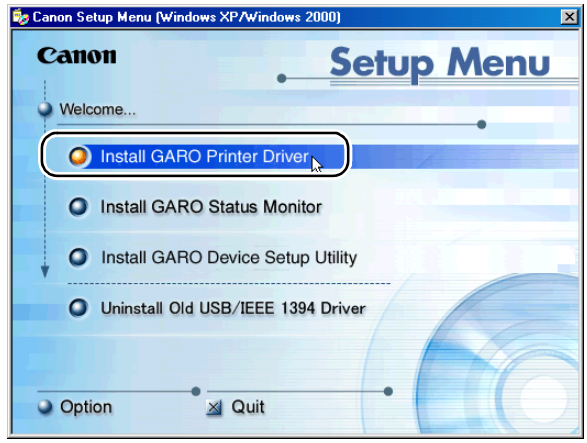
- If your are using Windows XP, Windows 2000, or Windows NT 4.0, you must log in as a member of the Administrators group.

1 Mount the provided User Software CD-ROM in the CD-ROM drive.

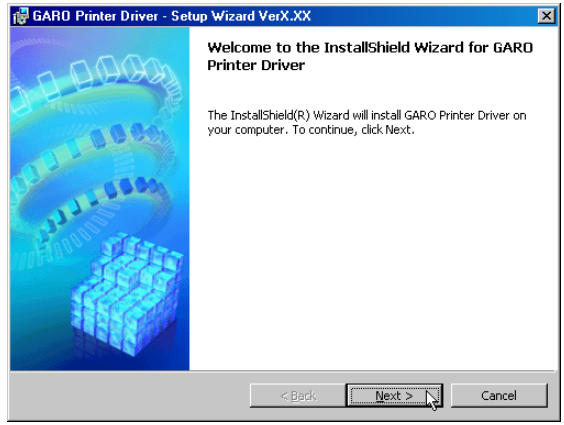
Note

- If the AutoPlay function is switched off, double-click the My Computer icon on the desktop, click the CD-ROM drive icon, and then from the File menu select AutoPlay.

2 On the Setup Menu, click “Install GARO Printer Driver”.



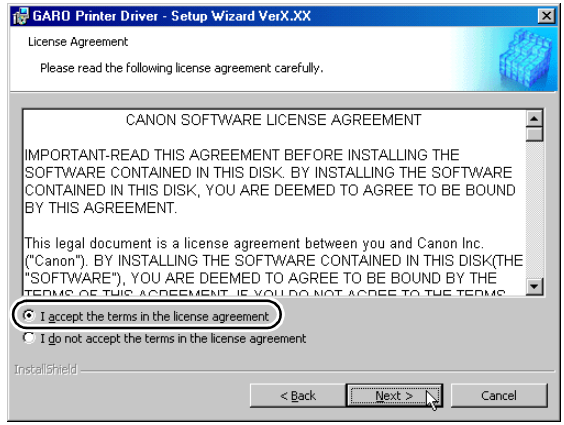
3 Read the message on the “Welcome to the InstallShield Wizard for GARO Printer Driver” screen, then click the Next button.



Note

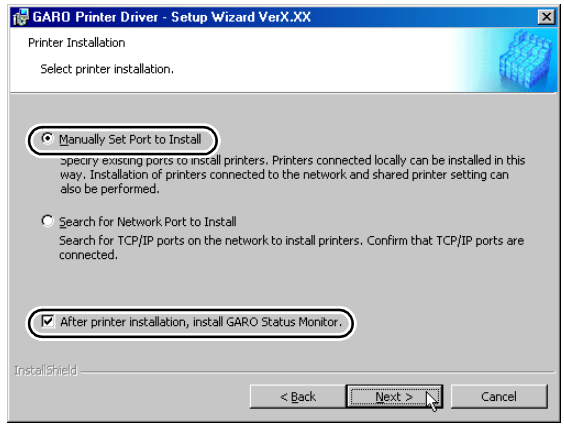
- If an older version of a USB or IEEE1394 driver is installed, a message will inform you that an older version of a USB or IEEE1394 driver is installed in your system. If you see this message, click the OK button to return to the Setup Menu, then select “Uninstall Old USB/IEEE 1394 Driver” to uninstall the old USB driver. (→ User’s Guide)
  After the computer restarts, start the printer driver installation again from Step 1. (→ P.3-26)

4 Read the terms of the end user License Agreement, then select “I accept the terms in the license agreement” then click the Next button.

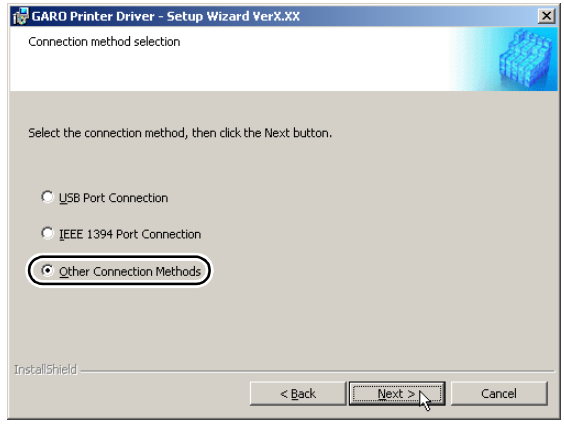


5 Select “Manually Set Port to Install”, then click the Next button.

If you click the checkbox on for “After printer installation, install GARO Status Monitor.”, the installation will continue with the installation of the GARO Status Monitor. Clicking this checkbox on to install the GARO Status Monitor is recommended. (→ P.3-47)



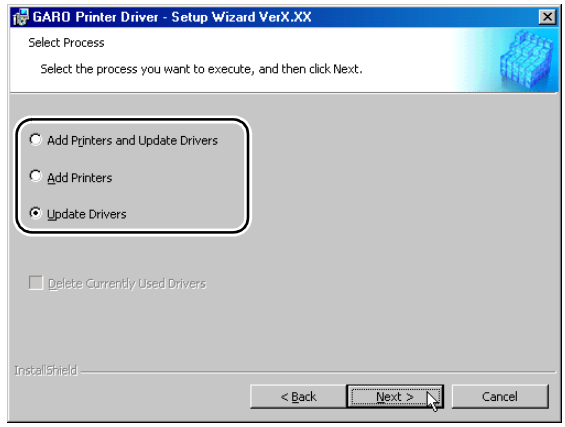
6 Select “Other Connection Methods” and click the Next button.



If a USB connection and IEEE1394 connection have already been installed, this screen is not displayed. The “Select Process” screen opens. (→ P.3-29)

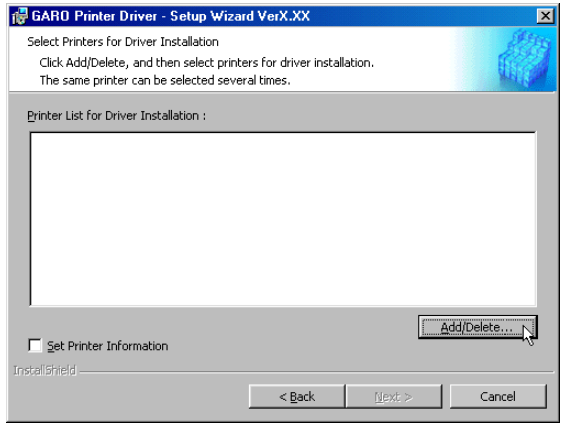
Note

- The following message is displayed if an older version of a printer driver for the W2200 is installed.

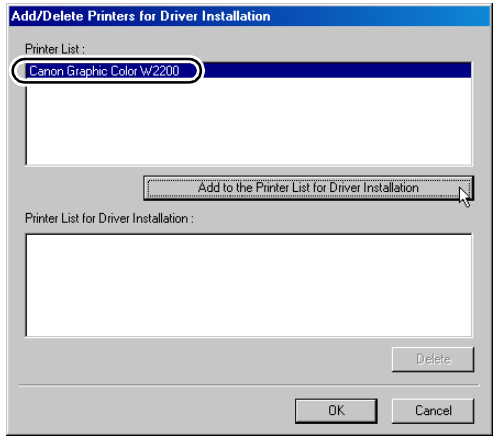


  - When installing a new printer driver on the same printer, select “Update Drivers”, click the Next button, then go to Step 14. (→ P.3-32)
  - When adding a new printer, select “Add Printers”, click the Next button, then go to Step 7. (→ P.3-29)
  - When adding a new printer and updating the printer driver on the former printer, click “Add Printer and Update Drivers”, click the Next button, then go to Step 7. (→ P.3-29).

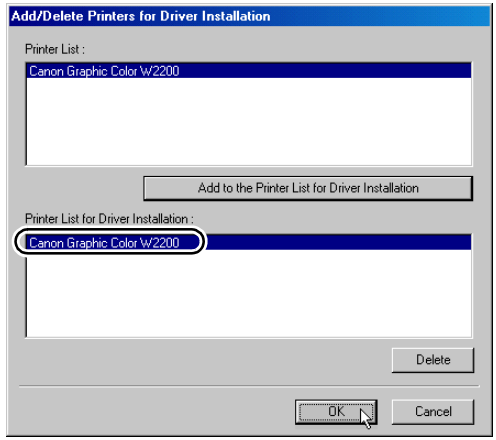
7 Click the Add/Delete button.



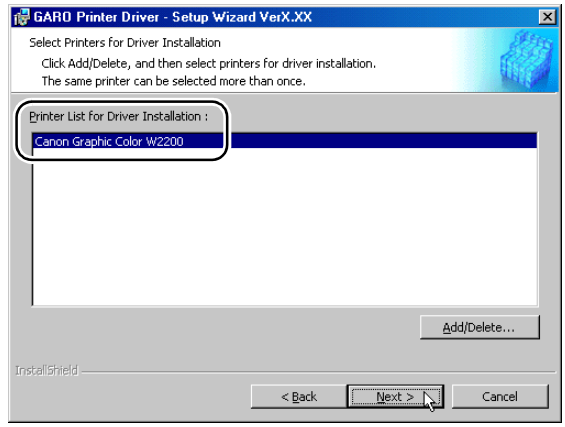
8 From the Printer List, select the printer that you want to install, then click the Add to the Printer List for Driver Installation button.



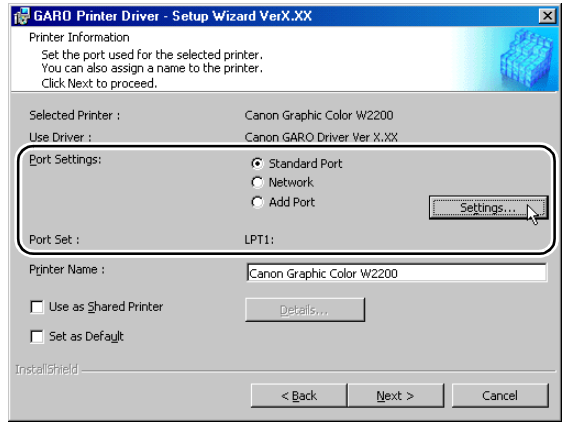
9 Confirm the name of the printer in the Printer List for Driver Installation, then click the OK button.



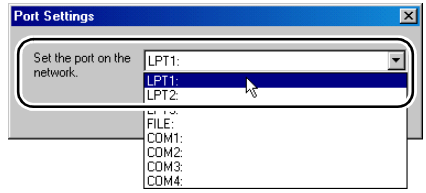
10 Confirm the printer name in the list, then click the Next button.



11 For Port Settings select “Standard Port”, then click the Settings button.

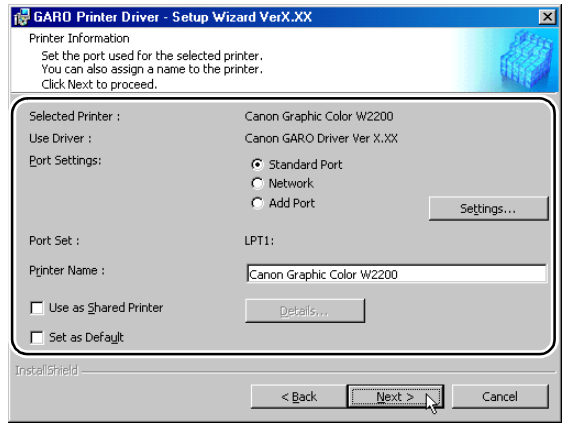


12 From the Set the port on the network drop-down list, select the port where the printer is connected (LPT1:, LPT2:, etc.), then click the OK button.

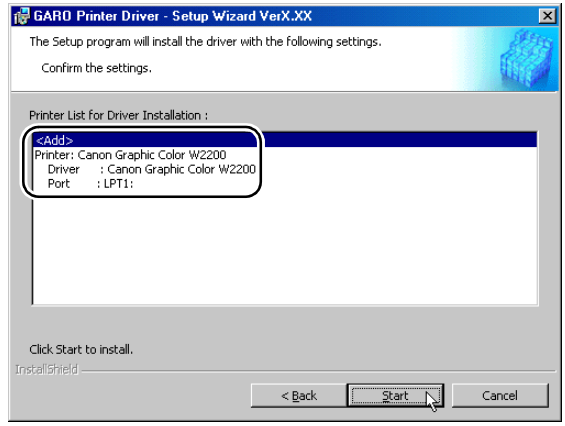


13 Confirm that the port name selected for “Port Set” is displayed, then click the Next button.

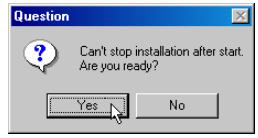
Perform the printer name and printer sharing features as needed.



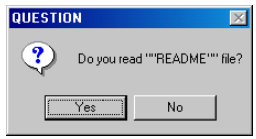
14 Confirm the content of the Printer List for Driver Installation, then click the Start button.



15 When the next message asks you to confirm that you want to start the setup, click the Yes button.



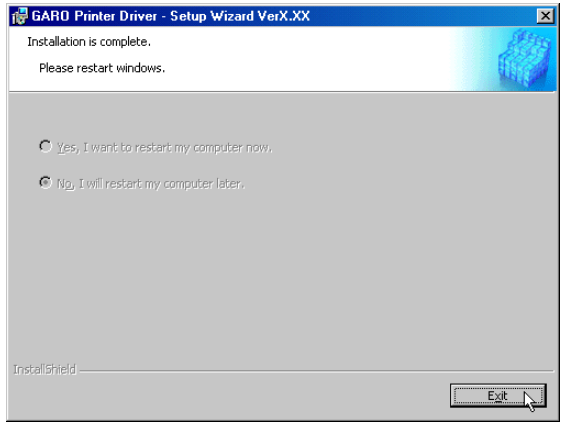
16 When the next message asks you to confirm that you want to read the README file, click the Yes or No button.



If you click the Yes button, the README file opens.

17 At Step 5 if you clicked the “After Printer Installation, install GARO Status Monitor” checkbox on and then clicked the Exit button, the installation continues with the installation of the GARO Status Monitor.

To continue, do the procedure from Step 3 for “Installing the GARO Status Monitor”. (→ P.3-48)



At Step 5 if you did not click the “After Printer Installation, install GARO Status Monitor” checkbox on, eject the CD-ROM from the computer, select “Yes, I want to restart my computer now.”, then click the Exit button.

The printer driver installation is complete after the computer restarts.

Installing a Macintosh Connection

This chapter describes the computer software and settings required to use the printer with a Macintosh computer. Do these procedures on all the Macintosh computers.

Macintosh Software

The following software is provided for using the printer with a Macintosh computer.

■GARO Printer Driver

Software required for printing from a Macintosh. This must be installed on every computer that will use the printer. The printer driver is used not only for basic operation of the printer, you can also use the driver for many functions such as setting preferences, adjusting color, and executing multiple copy print jobs. The printer driver is on the provided User Software CD-ROM for Mac OS 8.6/9.x and Mac OS X.

■GARO Printmonitor

This software utility displays details about printer errors with a Macintosh. This utility is installed automatically when the printer driver is installed.

■Remote UI

Software that allows you to perform network information settings for the printer, to display the current status of the printer, to cancel or temporarily pause print jobs, or to display the print job history. This software utility is built into the printer ROM. Use a Web browser from the computer to set the printer IP address and to perform operation settings through the network. (→ Network Guide)

If the Remote UI is to be used, the IP address must be set on the printer.

Important

- If you are using the Remote UI with Mac OS 8.6/9.x, open TCP/IP on the Control Panel and make sure that Ethernet is selected for the Connect via.

Connecting the Interface Cable

Before starting the printer driver installation, connect the Macintosh and the printer with the interface cable. Do the connection for a USB connection, IEEE1394 connection, or network connection, whichever is suited for your Macintosh.

To set up an IEEE1394 port connection, you need a Macintosh equipped with an IEEE1394 (FireWire) port and running Mac OS 9.04 or later.

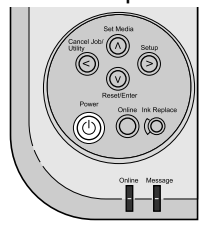
Important

- USB port and IEEE1394 port cannot be used at the same time.

■USB Connection

1 If the Macintosh is switched on, switch it off.

2 If the printer is on, hold down the Power button for over 2 seconds and release it when the Online lamp starts to flash.



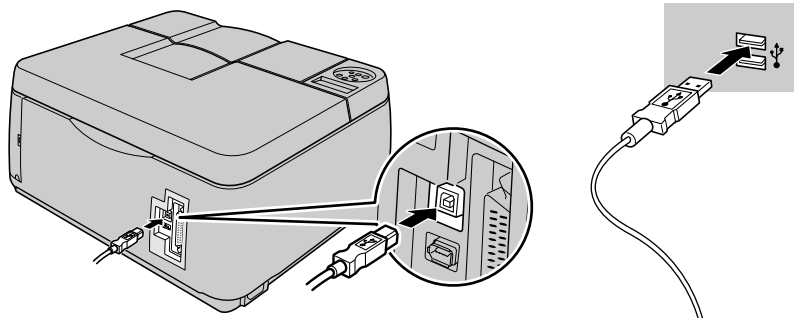
After the printer displays “Please Wait…” the printer goes off.

3 Connect the USB cable B connector (square) to the USB port on the back of the printer, then connect the USB cable A connector (flat) to a USB port on the Macintosh.

Ensure that the connector is inserted completely.

Printer back

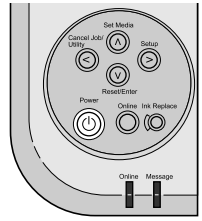
Computer



■ **IEEE1394 Connection**

1 If the Macintosh is switched on, switch it off.

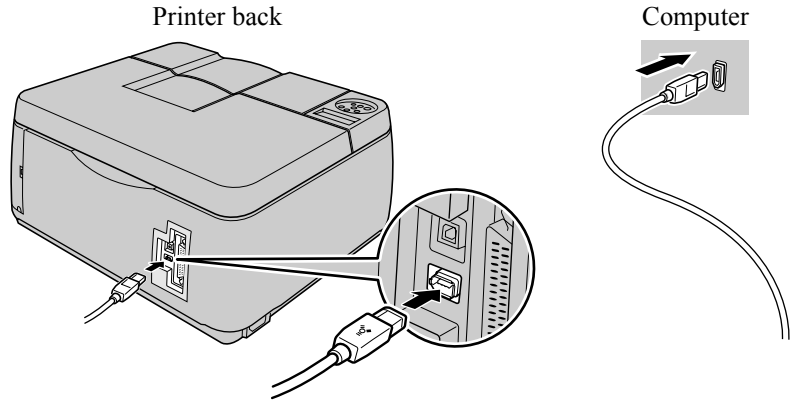
2 If the printer is on, hold down the Power button for over 2 seconds and release it when the Online lamp starts to flash.



After the printer displays “Please Wait…” the printer goes off.

3 Connect the IEEE1394 cable to the IEEE1394 port on the back of the printer then to the IEEE1394 port on the Macintosh.

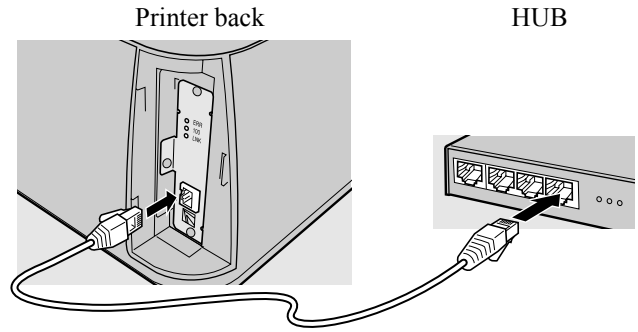
With a connector aligned correctly, push it all the way in to connect it securely.



■Network Connection

1 Use a LAN cable to connect the LAN port of the printer to the HUB port.

Push in the connector until you hear it catch.



2 Use a LAN cable to connect the LAN port of the Macintosh to the HUB port.

Push in the connector until you hear it catch.

Important

- If the printer is connected to a network, after you switch the printer on, you must check the LNK lamp and confirm that it is lit. For details, please refer to "Connect the Power Cord". (→ P.1-10)

Installing the Printer Driver for Mac OS 8.6/9.x

After installing the printer driver for Mac OS 8.6/9.x, open the Chooser and select the printer.

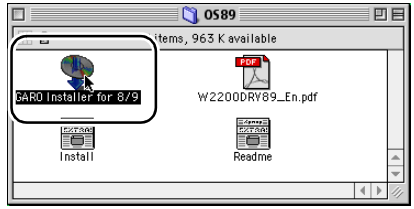
Important

- If you are using a USB or IEEE1394 connection, install the printer driver with the printer switched off.

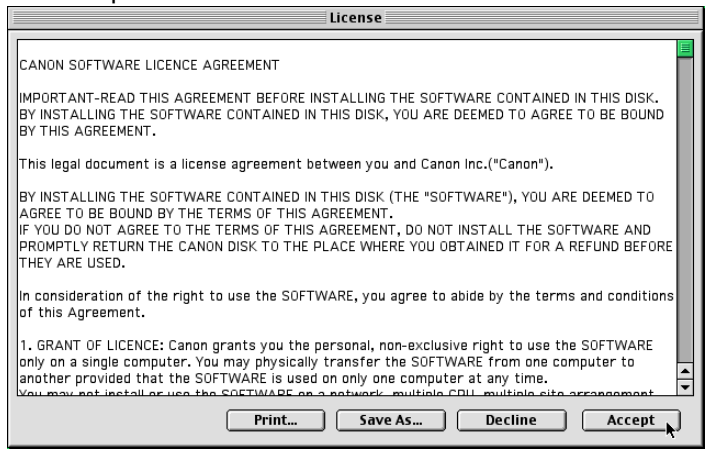
■Installing the Printer Driver

1 Mount the provided User Software CD-ROM in the Macintosh CD-ROM drive.

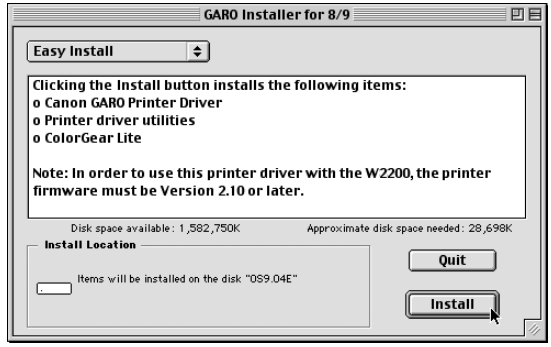
2 Double-click the software CD-ROM icon, open the OS89 folder, then double-click the GARO Installer for 8/9 icon.



3 Read the “CANON SOFTWARE LICENCE AGREEMENT”, then click the Accept button.



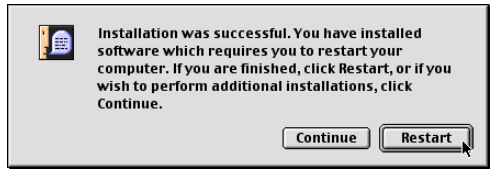
4 Click the Install button.



5 When the message prompts you to confirm that all other software has been shut down, click the Continue button.

The installation begins.

6 When the installation is finished, click the Restart button.



The Macintosh restarts.

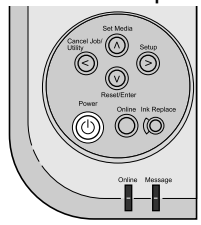
This completes the installation of the printer driver.

■Selecting the Printer

Important

- If the computer is connected to a network, open Chooser and make sure that Apple Talk is enabled, then open AppleTalk on the Control Panel and make sure that the Connect via is set for Ethernet. (→ Network Guide)

1 Press the Power button to switch the printer on.

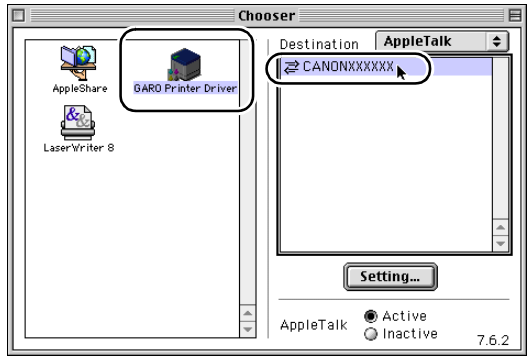


When the Online lamp is lit, the printer is ready to print.

For a network connection, make sure that the printer power is switched on.

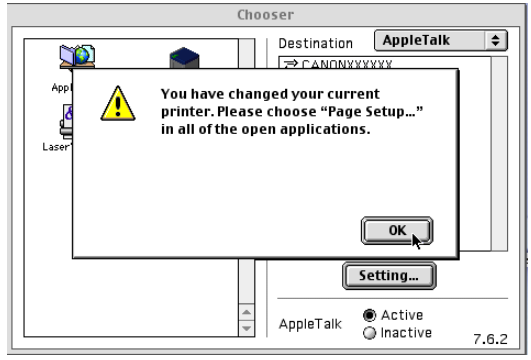
2 After the Macintosh restarts, select Chooser in the Apple menu.

3 Select the “GARO Printer Driver” icon in the list on the left, then in the right list under Destination select the name of the selected printer.



If the printer is not displayed in the list, check the printer cable connection and make sure that it is secure.

4 Close the Chooser window, then the confirmation message opens, click the OK button.



This completes the printer selection.

Note

- After selecting any other printer with the Chooser, you must do Step 2 to 4 in order to switch to this printer so you can use it again.

Installing the Mac OS X Printer Driver

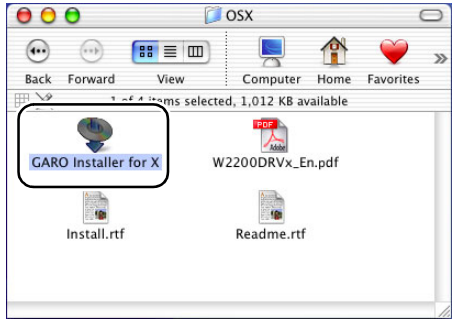
After installing the printer driver for Mac OS X, open the Print Center and add the printer.

The procedure below describes the installation for OS X Ver. 10.2. In the installation procedure for Ver. 10.1, the names of the icons and appearance of the screens are slightly different.

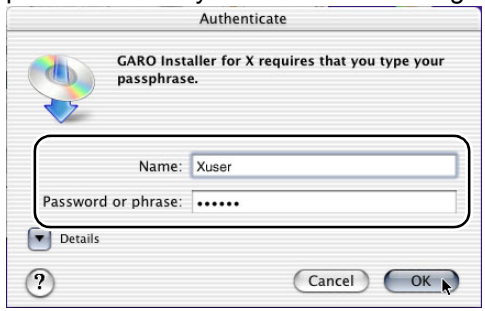
■ Installing the Printer Driver

1 Mount the provided User Software CD-ROM in the Macintosh CD-ROM drive.

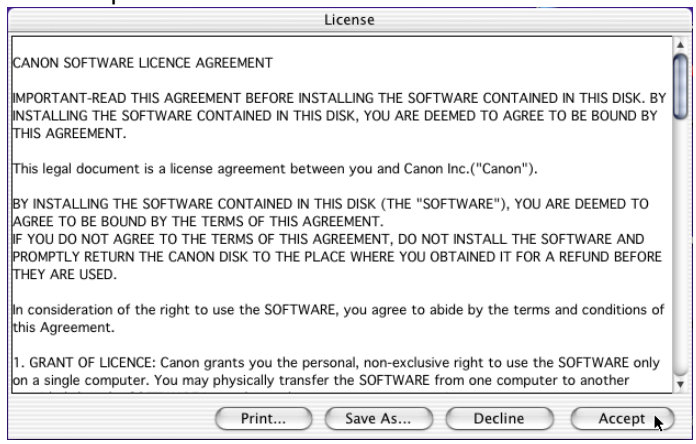
2 Double-click the software CD-ROM icon, open the OSX folder, then double-click the GARO Installer for X icon.



3 When the password entry screen opens, enter a user name and password with system administrator rights, then click the OK button.



4 Read the “CANON SOFTWARE LICENCE AGREEMENT”, then click the Accept button.



5 Click the Install button.

6 When the message prompts you to confirm that all other software has been shut down, click the Continue button.

The installation begins.

7 When the installation is finished, click the Restart button.

The Macintosh restarts.

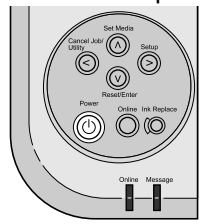
This completes the installation of the printer driver.

■Selecting the Printer

Important

- If the computer is connected to a network, open System Preferences and at the Display setting under Network select Built-in Ethernet, then on the AppleTalk sheet make sure that the “Make AppleTalk Active ”checkbox is checked. (→ Network Guide)

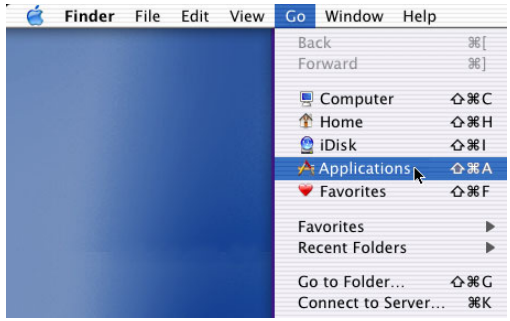
1 Press the Power button to switch the printer on.



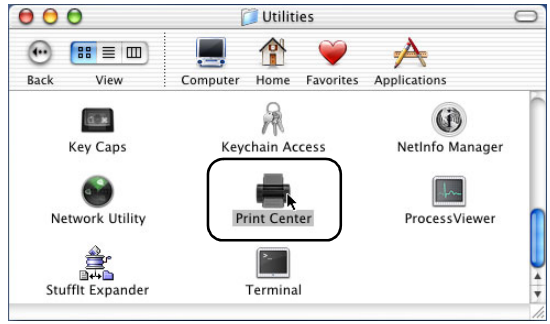
When the Online lamp is lit, the printer is ready to print.

For a network connection, make sure that the printer power is switched on.

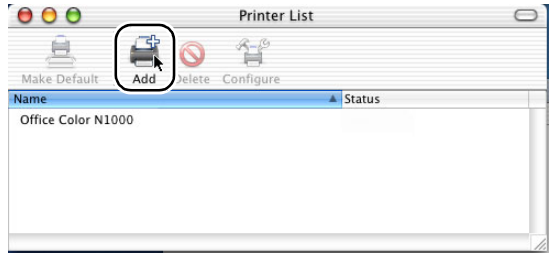
2 After the Macintosh has restarted, select the Finder then select Applications from the Go menu.



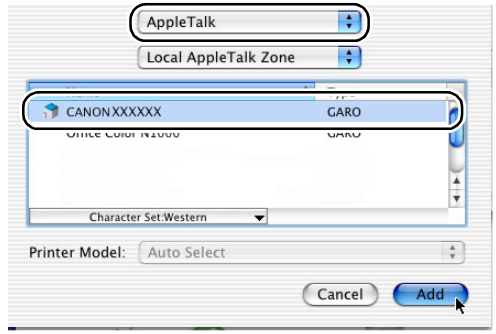
3 Open the Utilities menu folder and open the Print Center.



4 If the name of the printer is not displayed in the Printer List, click the Add icon.

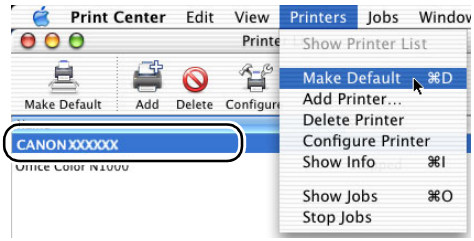


5 From the connection destination menu, select the printer connection destination, click the name of the printer in the displayed list, then click the Add button.



If the printer is not displayed in the list, check the printer cable connection and make sure that it is secure.

6 If you want to set the printer as the default printer, select the name of the printer from the Printer List, then from the Printers menu select Make Default.



This completes the printer selection.

Installing Windows Utilities

Installing the GARO Status Monitor

The GARO Status Monitor is a software utility for Windows that allows you to view on the computer screen the details about printer errors.
Perform the following procedure to install the GARO Status Monitor.

Important

- If you are using Windows XP, Windows 2000, or Windows NT 4.0, you must log in as a member of the Administrators group.

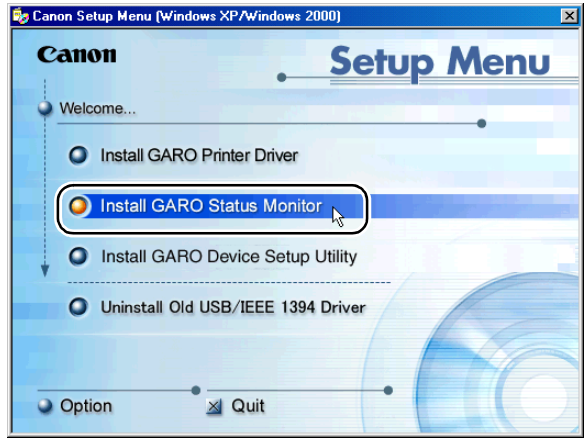
1 Mount the provided User Software CD-ROM in the CD-ROM drive.

The Setup Menu window opens.

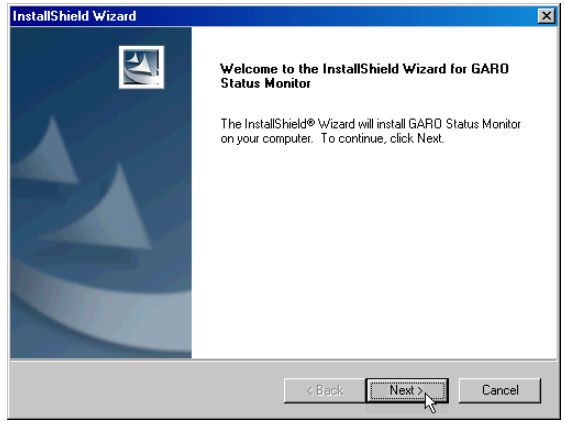
Note

- If the AutoPlay function is switched off, double-click the My Computer icon on the desktop, click the CD-ROM drive icon, and then from the File menu select AutoPlay.

2 Click “Install GARO Status Monitor”.

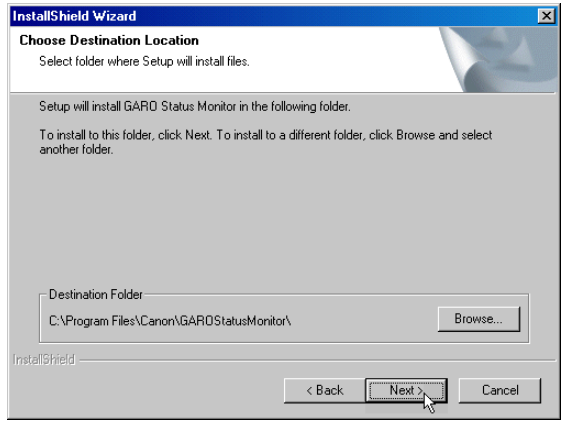


3 Read the message on the “Welcome to the InstallShield Wizard for GARO Status Monitor” screen, then click the Next button.

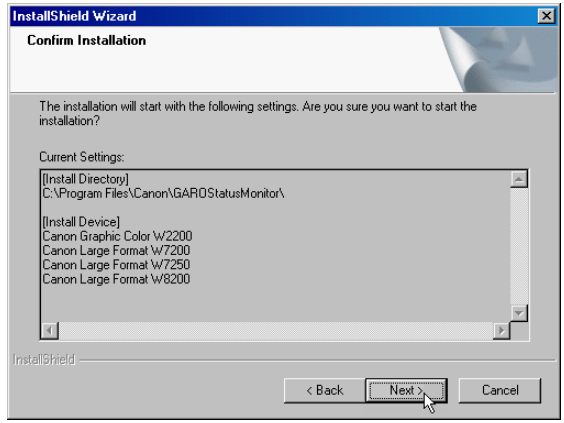


4 Read the end user license agreement and if you agree with the terms of the agreement, click the Yes button.

5 On the “Choose Destination Location” screen, confirm the name of the folder for the installation destination, then click the Next button.

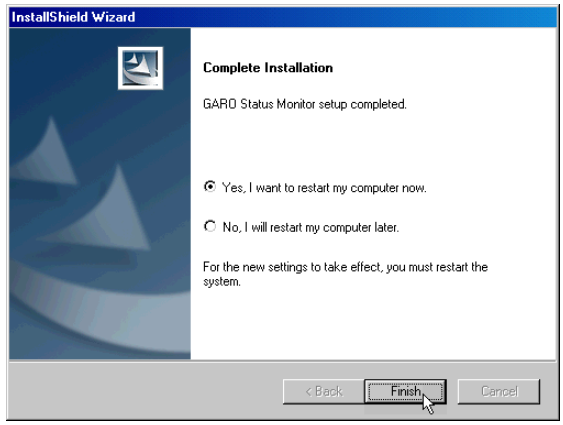


6 On the “Confirm Installation” screen, check the settings and make sure that they are correct, then click the Next button.



The installation begins.

7 After the Complete Installation screen is displayed, make sure “Yes, I want to restart my computer now.” is selected, then press the Finish button.

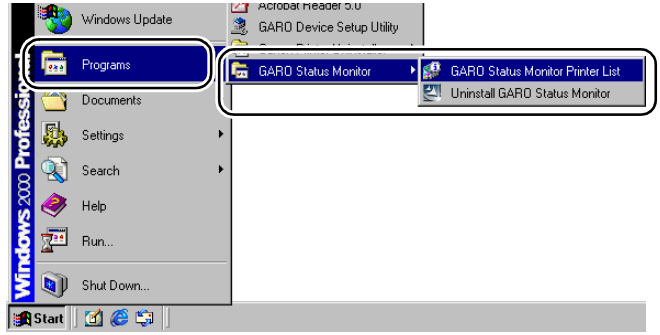


When the computer is restarted, installation is complete.
If “Refer to Readme File Now” is displayed on the screen, press the Finish button to close the installer.
Then press the Quit button to close the Setup Menu. This completes the installation of GARO Status Monitor.

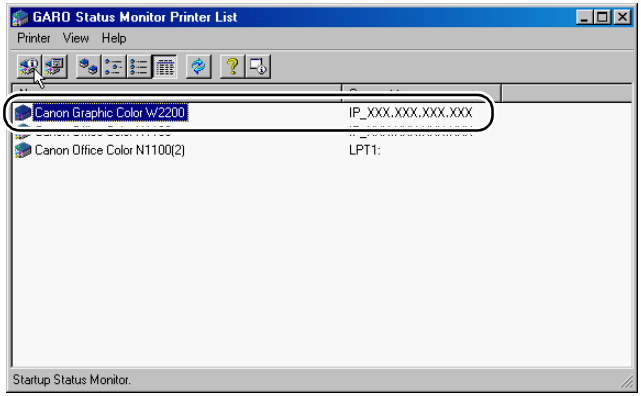
Displaying Printer Information with the GARO Status Monitor

The GARO Status Monitor opens automatically when a print job starts or when a printer error occurs. Perform the following procedure when you need to check the status of the printer immediately.

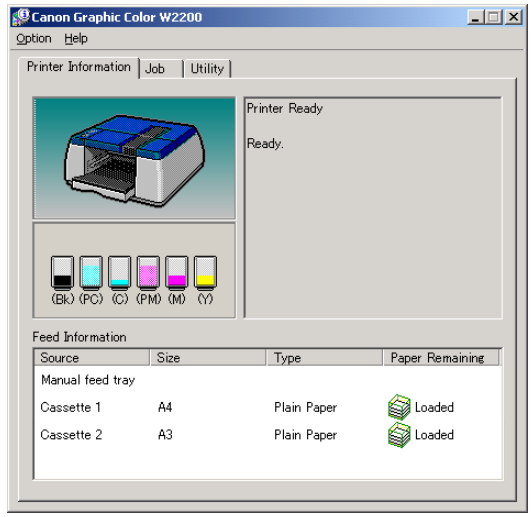
1 On the desktop click the Start button, point to Programs, then select GARO Status Monitor Printer List.



2 Click the name of the printer then click the Information icon.

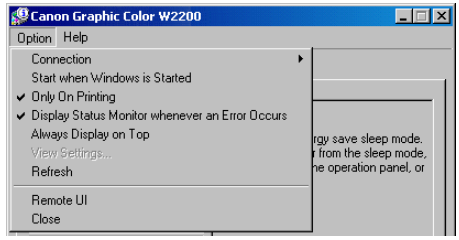


The status of the printer and status of print jobs in progress are displayed.



Note

- You can use the Option menu to set when the GARO Status Monitor is to be displayed. Select the items on the menu and click the desired checkboxes on. The default settings include “Only On Printing” and “Display Status Monitor whenever an Error Occurs”.



- For more details about the GARO Status Monitor, please refer to the GARO Status Monitor Help.

4 Other Important Information

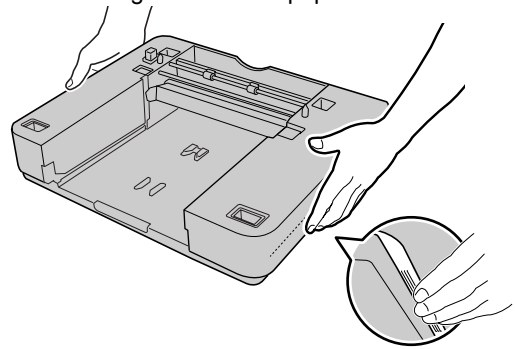
This chapter provides additional reference material and index for use of the printer.

Installing Optional Paper Cassettes

An additional paper cassette (designated Cassette 2) can be installed on W2200. Installation of optional cassettes allows automatic switching between these paper supply sources. Two types of cassette are available, a universal cassette that allows manual adjustment for a variety of media sizes and a cassette dedicated for 13x22 in. size media. Follow the procedures below to install optional paper cassettes.

Caution

- To avoid dropping and damaging the paper feed unit or causing personal injury when moving it, always grip the paper feed unit by the lift handles provided on the left and right side of the paper feed unit.

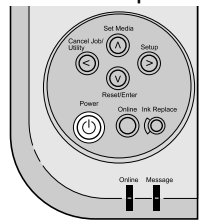


- To avoid breaking a paper cassette and personal injury, always remove the cassettes before lifting and moving the paper feed unit.

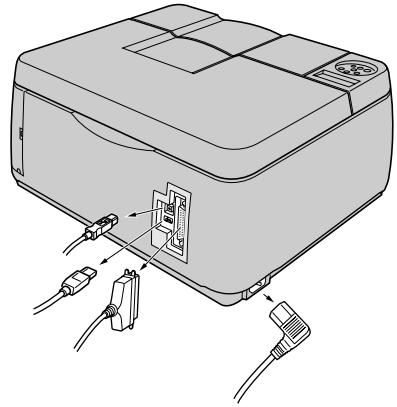
Note

- The procedure below describes how to install the optional paper cassettes after the printer has been set up. If you are installing the printer and the optional paper cassettes together, go to Step 4.

1 Press the Power button to switch the printer off.

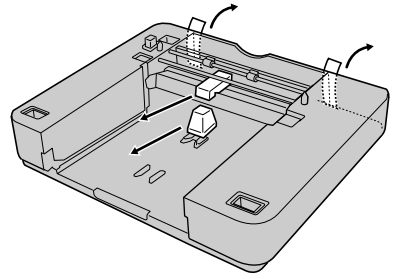


2 Disconnect the power cable and all interface cables.

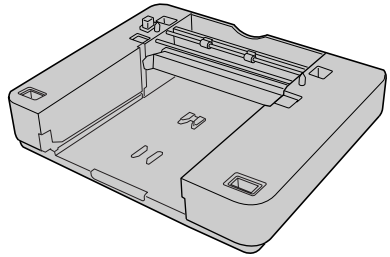


3 Move the printer from the setup site to another location.

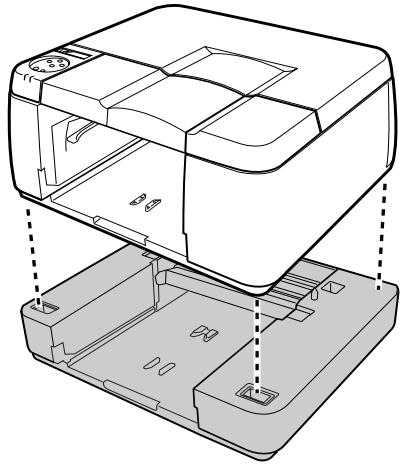
4 Remove all tapes and the stopper from the paper feed unit.



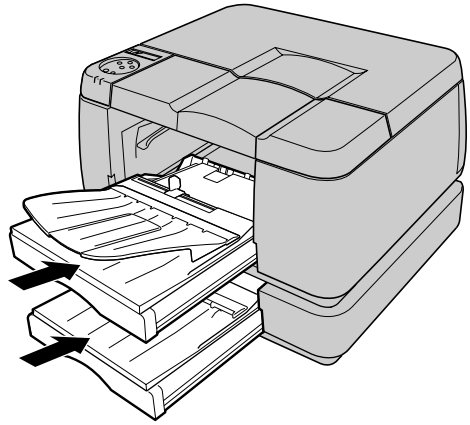
5 Position the paper feed unit where you want to set up the printer.



6 Mount the printer on top of the paper feed unit.



7 Load paper in the paper cassettes and insert the cassettes in the printer.



Note

- For details about how to load see Chapter 1, “7 Load the Paper Cassette”. (→ P.1-23)

8 Re-connect the interface cables and power cord to the printer.

Other Software for the Printer

The following software can be used with the printer. This software is on the provided User Software CD-ROM or is available on the Canon Home Page.

Software for Server Computer/Administorator

■ NetSpot Console

Server software that allows you to use a Web browser to display the status of the printer from a network computer and perform the settings for the printer or the network interface board. This software operates with Windows XP, Windows 2000, Windows NT 4.0, Windows Me, and Windows 98. NetSpot Console can be downloaded for no charge from the Canon Home Page (http://www.canon.com/) and installed on any server computer.

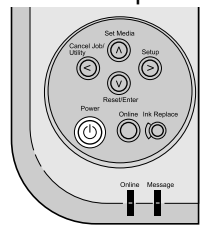
■ Device Status Extension

Software that allows you to manage print jobs and display information about the printer using your own Web browser on Windows XP or Windows 2000 with IIS (Internet Information Services) installed and with the printer setup as a shared device. By installing the Device Status Extension on Windows XP or Windows 2000, you can switch to the Device Status Extension printer screen provided by Canon to display the printer information. Further, NetSpot Console can be started and used from the Device Status Extension screen to perform printer and other settings. The Device Status Extension is provided on the User Software CD-ROM. For details about how to install and use the Device Status Extension, please open and read the Readme.txt file in the “DSE” folder on the User Software CD-ROM.

Preparing the Printer for Transport

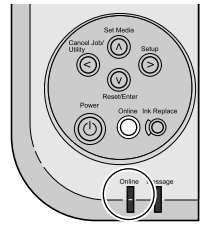
Follow this procedure before moving the printer to protect its internal parts during moving or shipping.

1 Press the Power button to switch the printer on.



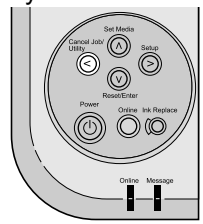
After a few seconds “Ready” is displayed in the operation panel and the Online lamp lights.

2 Press the Online button to switch the Online lamp off.



The printer is set offline.

3 Press the Cancel Job/Utility button.



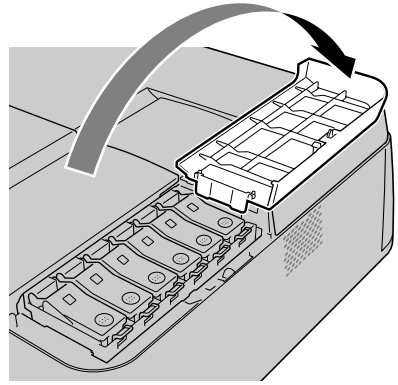
The Utility Menu opens.

4 Press < or > to select “Move Printer” then press ∨.

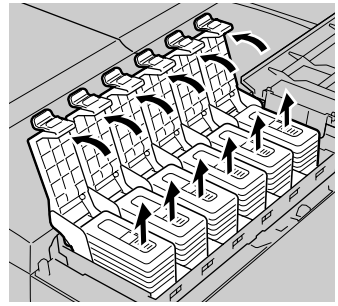
```
Utility Menu
Move Printer   →
```

The lock on the right cover is released and “Remove Ink Tank” is displayed.

5 Open the right cover.

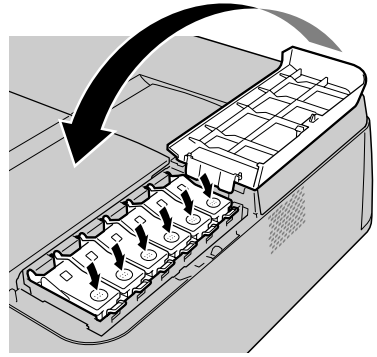


6 Open the ink tank covers and remove all the ink tanks.



Place the removed ink tanks in a plastic bag and seal it.

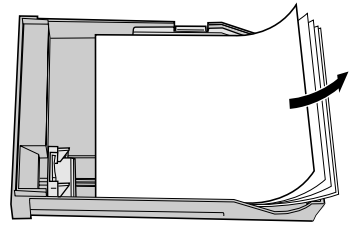
7 Close and lock all the ink tank covers, then close the right cover.



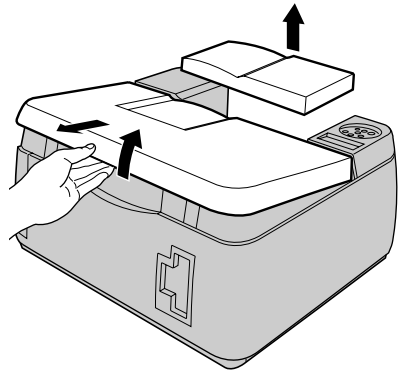
"Processing…" is displayed while ink is drawn into the ink tubes. When the ink fill processing is finished, switch the printer off.

8 After the printer switches off, disconnect the power cord and the interface cables.

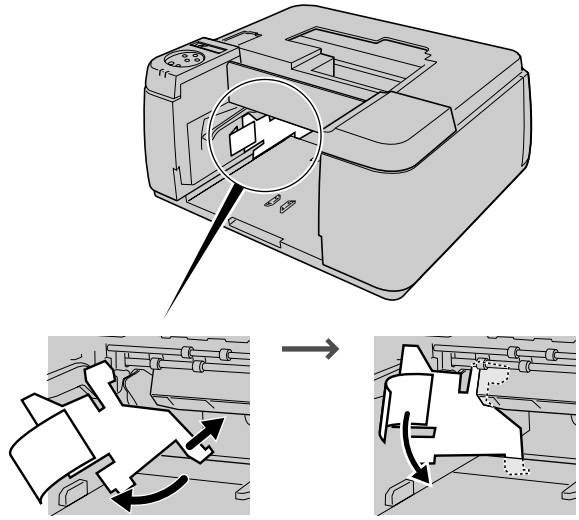
9 Remove the paper cassettes and remove the paper from the cassettes.



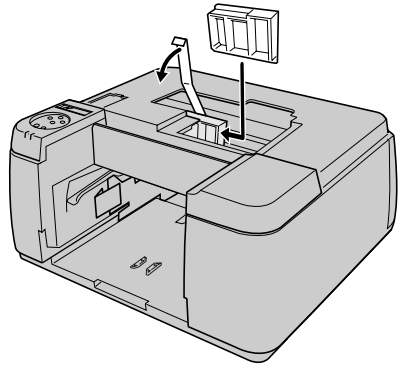
10 Remove the front upper cover and the back upper cover.



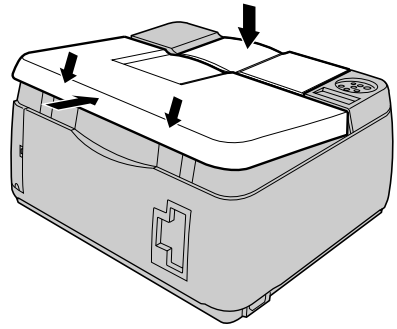
11 Attach the paper roller stopper and fasten the tape.



12 Attach the stopper to the carriage and fasten the tape.



13 Re-attach the front upper cover and the rear upper cover.



14 Tape the covers of the paper cassettes and the printer to hold them in place.

15 Attach the shipping material to the paper cassettes and to the printer, then place them in the box.

This completes preparing the printer for transport.

Important

- After moving the printer to a new location, be sure to follow the instructions in Chapter 1, “Setting Up the Printer” to set up the printer.
- After executing the procedure above for “Move Printer” on the printer operation panel, even if you attempt to re-install the ink tanks in the printer the ink tanks will not initialize and fill automatically. After installing the ink tanks, set the printer offline and execute “Head Cleaning C”. (→ User’s Guide, Chapter 7, “Cleaning the Printhead”)
- After executing “Move Printer” if you remove the power cord and the printer goes off before it powers off automatically, shipping the printer as it is could damage it. Re-attach the power cord, re-install the ink tanks, and repeat the procedure from Step 1. (→ “5 Install the Ink Tanks”, P.1-17)

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